

## Appendix A

<b>Values</b>	<u>RILADDRESS Parameter Constants</u>
	<b>RIL_PARAM_A_TYPE</b>
	<b>RIL_PARAM_A_NUMPLAN</b>
	<b>RIL_PARAM_A_ADDRESS</b>
<b>Comments</b>	<b>RIL_PARAM_A_ALL</b>
	None

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<b>Values</b>	<u>RILAUDIODEVICEINFO Parameter Constants</u>
	<b>RIL_PARAM_ADI_TXDEVICE</b>
	<b>RIL_PARAM_ADI_RXDEVICE</b>
	<b>RIL_PARAM_ADI_ALL</b>
<b>Comments</b>	None

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<b>Values</b>	<u>RILBEARERSVCINFO Parameter Constants</u>
	<b>RIL_PARAM_BSI_SPEED</b>
	<b>RIL_PARAM_BSI_SERVICENAME</b>
	<b>RIL_PARAM_BSI_CONNECTIONELEMENT</b>
	<b>RIL_PARAM_BSI_ALL</b>
<b>Comments</b>	None

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RILCALLERIDSETTINGS Parameter Constants

**Values**            **RIL\_PARAM\_CIDS\_PROVISIONING**  
                          **RIL\_PARAM\_CIDS\_STATUS**  
                          **RIL\_PARAM\_CIDS\_ALL**

**Comments**        None

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RILCALLFORWARDINGSETTINGS Parameter Constants

**Values**            **RIL\_PARAM\_CFS\_STATUS**  
                          **RIL\_PARAM\_CFS\_INFOCLASSES**  
                          **RIL\_PARAM\_CFS\_ADDRESS**  
                          **RIL\_PARAM\_CFS\_SUBADDRESS**  
                          **RIL\_PARAM\_CFS\_DELAYTIME**  
                          **RIL\_PARAM\_CFS\_ALL**

**Comments**        None

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RILCALLHSCSDINFO Parameter Constants

**Values**            **RIL\_PARAM\_CHSCSDI\_RXTIMESLOTS**  
                          **RIL\_PARAM\_CHSCSDI\_TXTIMESLOTS**  
                          **RIL\_PARAM\_CHSCSDI\_AIRINTERFACEUSERATE**  
                          **RIL\_PARAM\_CHSCSDI\_CHANNELCODING**  
                          **RIL\_PARAM\_CHSCSDI\_ALL**

**Comments**        None

<hr/>	
<u>RILCALLINFO Parameter Constants</u>	
<b>Values</b>	<b>RIL_PARAM_CI_ID</b> <b>RIL_PARAM_CI_DIRECTION</b> <b>RIL_PARAM_CI_STATUS</b> <b>RIL_PARAM_CI_TYPE</b> <b>RIL_PARAM_CI_MULTIPARTY</b> <b>RIL_PARAM_CI_ADDRESS</b> <b>RIL_PARAM_CI_DESCRIPTION</b> <b>RIL_PARAM_CI_ALL</b>
<b>Comments</b>	None
<hr/>	
<u>RILCALLWAITINGINFO Parameter Constants</u>	
<b>Values</b>	<b>RIL_PARAM_CWI_CALLTYPE</b> <b>RIL_PARAM_CWI_CALLERINFO</b> <b>RIL_PARAM_CWI_ADDRESSID</b> <b>RIL_PARAM_CWI_ALL</b>
<b>Comments</b>	None
<hr/>	
<u>RILCAPSBARRINGPWDLENGTH Parameter Constants</u>	
<b>Values</b>	<b>RIL_PARAM_CBPL_TYPE</b> <b>RIL_PARAM_CBPL_PASSWORDLENGTH</b> <b>RIL_PARAM_CBPL_ALL</b>
<b>Comments</b>	None

<hr/>	
<u>RILCAPSBEARERSVC Parameter Constants</u>	
<b>Values</b>	<b>RIL_PARAM_CBS_SPEEDS1</b> <b>RIL_PARAM_CBS_SPEEDS2</b> <b>RIL_PARAM_CBS_SERVICENAMES</b> <b>RIL_PARAM_CBS_CONNECTIONELEMENTS</b> <b>RIL_PARAM_CBS_ALL</b>
<b>Comments</b>	None
<hr/>	
<u>RILCAPSDIAL Parameter Constants</u>	
<b>Values</b>	<b>RIL_PARAM_CD_CALLTYPES</b> <b>RIL_PARAM_CD_OPTIONS</b> <b>RIL_PARAM_CD_ALL</b>
<b>Comments</b>	None
<hr/>	
<u>RILCAPSGPRS Parameter Constants</u>	
<b>Values</b>	<b>RIL_PARAM.CGPRS.CLASS</b> <b>RIL_PARAM.CGPRS.MOSMSSERVICES</b> <b>RIL_PARAM.CGPRS.NUMGPRSPROTOCOLCAPS</b> <b>RIL_PARAM.CGPRS.GPRSPROTOCOLCAPS</b> <b>RIL_PARAM.CGPRS.ALL</b>
<b>Comments</b>	None

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RILCAPSHSCSD Parameter Constants

<b>Values</b>	<b>RIL_PARAM_CHSCSD_MULTISLOTCLASS</b>
	<b>RIL_PARAM_CHSCSD_MAXRXTIMESLOTS</b>
	<b>RIL_PARAM_CHSCSD_MAXTXTIMESLOTS</b>
	<b>RIL_PARAM_CHSCSD_MAXTOTALTIMESLOTS</b>
	<b>RIL_PARAM_CHSCSD_CHANNELCODINGS</b>
	<b>RIL_PARAM_CHSCSD_AIRINTERFACEUSERRATES</b>
	<b>RIL_PARAM_CHSCSD_TOPRXTIMESLOTRANGE</b>
	<b>RIL_PARAM_CHSCSD_ALL</b>

**Comments**      None

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RILCAPSLOCKINGPWDLENGTH Parameter Constants

<b>Values</b>	<b>RIL_PARAM_CLPL_FACILITY</b>
	<b>RIL_PARAM_CLPL_PASSWORDLENGTH</b>
	<b>RIL_PARAM_CLPL_ALL</b>

**Comments**      None

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RILCAPSMMSGMEMORYLOCATIONS Parameter Constants

<b>Values</b>	<b>RIL_PARAM_CMML_READLOCATIONS</b>
	<b>RIL_PARAM_CMML_WRITELOCATIONS</b>
	<b>RIL_PARAM_CMML_STORELOCATIONS</b>
	<b>RIL_PARAM_CMML_ALL</b>

**Comments**      None

### Values

RIL\_PARAM\_CRLP\_ALL

None

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RILCELLTOWERINFO Parameter Constants

**Values**

**RIL\_PARAM\_CTI\_MOBILECOUNTRYCODE**  
**RIL\_PARAM\_CTI\_MOBILENETWORKCODE**  
**RIL\_PARAM\_CTI\_LOCATIONAREACODE**  
**RIL\_PARAM\_CTI\_CELLID**  
**RIL\_PARAM\_CTI\_BASESTATIONID**  
**RIL\_PARAM\_CTI\_BROADCASTCONTROLCHANNEL**  
**RIL\_PARAM\_CTI\_RXLEVEL**  
**RIL\_PARAM\_CTI\_RXLEVELFULL**  
**RIL\_PARAM\_CTI\_RXLEVELSUB**  
**RIL\_PARAM\_CTI\_RXQUALITY**  
**RIL\_PARAM\_CTI\_RXQUALITYFULL**  
**RIL\_PARAM\_CTI\_RXQUALITYSUB**  
**RIL\_PARAM\_CTI\_IDLETIMESLOT**  
**RIL\_PARAM\_CTI\_TIMINGADVANCE**  
**RIL\_PARAM\_CTI\_GPRSCELLID**  
**RIL\_PARAM\_CTI\_GPRSBASESTATIONID**  
**RIL\_PARAM\_CTI\_ALL**

**Comments**

None

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RILCLOSEDGROUPSETTINGS Parameter Constants

**Values**

RIL\_PARAM\_CGS\_STATUS

RIL\_PARAM\_CGS\_INDEX

RIL\_PARAM\_CGS\_INFO

RIL\_PARAM\_CGS\_ALL

**Comments**      None

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RILCONNECTINFO Parameter Constants

**Values**

RIL\_PARAM\_CNI\_CALLTYPE

RIL\_PARAM\_CNI\_BAUDRATE

RIL\_PARAM\_CNI\_ALL

**Comments**      None

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RILCOSTINFO Parameter Constants

**Values**

RIL\_PARAM\_CSTI\_CCM

RIL\_PARAM\_CSTI\_ACM

RIL\_PARAM\_CSTI\_MAXACM

RIL\_PARAM\_CSTI\_COSTPERUNIT

RIL\_PARAM\_CSTI\_CURRENCY

RIL\_PARAM\_CSTI\_ALL

**Comments**      None



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RILDATACOMPINFO Parameter Constants

<b>Values</b>	<b>RIL_PARAM_DCI_DIRECTION</b>
	<b>RIL_PARAM_DCI_NEGOTIATION</b>
	<b>RIL_PARAM_DCI_MAXDICTENTRIES</b>
	<b>RIL_PARAM_DCI_MAXSTRING</b>
	<b>RIL_PARAM_DCI_ALL</b>
<b>Comments</b>	None

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RILDIALEDIDSETTINGS Parameter Constants

<b>Values</b>	<b>RIL_PARAM_DIDS_PROVISIONING</b>
	<b>RIL_PARAM_DIDS_STATUS</b>
	<b>RIL_PARAM_DIDS_ALL</b>
<b>Comments</b>	None

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RILDIALINFO Parameter Constants

<b>Values</b>	<b>RIL_PARAM_DI_CMDID</b>
	<b>RIL_PARAM_DI_CALLID</b>
	<b>RIL_PARAM_DI_ALL</b>
<b>Comments</b>	None

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### RILEQUIPMENTINFO Parameter Constants

**Values**

RIL\_PARAM\_EI\_MANUFACTURER

RIL\_PARAM\_EI\_MODEL

RIL\_PARAM\_EI\_REVISION

RIL\_PARAM\_EI\_SERIALNUMBER

RIL\_PARAM\_EI\_ALL

**Comments**      None

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### RILEQUIPMENTSTATE Parameter Constants

**Values**

RIL\_PARAM\_EQUIPMENTSTATE\_RADIOSUPPORT

RIL\_PARAM\_EQUIPMENTSTATE\_EQSTATE

**Comments**      None

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### RILERRORCORRECTIONINFO Parameter Constants

**Values**

RIL\_PARAM\_ECI\_ORIGINALREQUEST

RIL\_PARAM\_ECI\_ORIGINALFALLBACK

RIL\_PARAM\_ECI\_ANSWERERFALLBACK

RIL\_PARAM\_ECI\_ALL

**Comments**      None

Values	RIL_PARAM_GI_TXGAIN
	RIL_PARAM_GI_RXGAIN
	RIL_PARAM_GI_ALL

<b>Values</b>	<b>RIL_PARAM_GCONT_CONTEXTID</b>
	<b>RIL_PARAM_GCONT_PROTOCOLTYPE</b>
	<b>RIL_PARAM_GCONT_ACCESSPOINTNAME</b>
	<b>RIL_PARAM_GCONT_ADDRESS</b>
	<b>RIL_PARAM_GCONT_DATACOMPRESSION</b>
	<b>RIL_PARAM_GCONT_HEADERCOMPRESSION</b>
	<b>RIL_PARAM_GCONT_PARAMETERLENGTH</b>
	<b>RIL_PARAM_GCONT_PARAMETERS</b>
	<b>RIL_PARAM_GCONT_ALL</b>



Values	RIL_PARAM_GQOSP_CONTEXTID
	RIL_PARAM_GQOSP_PRECEDENCECLASS
	RIL_PARAM_GQOSP_DELAYCLASS
	RIL_PARAM_GQOSP_RELIABILITYCLASS
	RIL_PARAM_GQOSP_PEAKTHRUCLASS
	RIL_PARAM_GQOSP_MEANTHRUCLASS
	RIL_PARAM_GQOSP_ALL

### RILHIDECONNECTEDIDSETTINGS Parameter Constants

<b>Comments</b>	None
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Values	RIL_PARAM_HIDS_STATUS
	RIL_PARAM_HIDS_PROVISIONING
	RIL_PARAM_HIDS_ALL

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	<u>RILHSCSDINFO Parameter Constants</u>
<b>Values</b>	<b>RIL_PARAM_HSCSDI_TRANSPRXTIMESLOTS</b> <b>RIL_PARAM_HSCSDI_TRANSPCHANNELCODINGS</b> <b>RIL_PARAM_HSCSDI_NONTRANSPRXTIMESLOTS</b> <b>RIL_PARAM_HSCSDI_NONTRANSPCHANNELCODINGS</b> <b>RIL_PARAM_HSCSDI_AIRINTERFACEUSERRATE</b> <b>RIL_PARAM_HSCSDI_RXTIMESLOTSLIMIT</b> <b>RIL_PARAM_HSCSDI_AUTOSVCLEVELUPGRADING</b> <b>RIL_PARAM_HSCSDI_ALL</b>
<b>Comments</b>	None

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## RILMESSAGE Parameter Constants

### Values

**RIL\_PARAM\_M\_SVCCTRADDRESS**  
**RIL\_PARAM\_M\_TYPE**  
**RIL\_PARAM\_M\_FLAGS**  
**RIL\_PARAM\_M\_ORIGADDRESS**  
**RIL\_PARAM\_M\_TGTRECIPADDRESS**  
**RIL\_PARAM\_M\_DESTADDRESS**  
**RIL\_PARAM\_M\_SCRECEIVETIME**  
**RIL\_PARAM\_M\_TGTSCRECEIVETIME**  
**RIL\_PARAM\_M\_TGTDISCHARGETIME**  
**RIL\_PARAM\_M\_PROTOCOLID**  
**RIL\_PARAM\_M\_DATACODING**  
**RIL\_PARAM\_M\_TGTDLVSTATUS**  
**RIL\_PARAM\_M\_TGTMSGREFERENCE**  
**RIL\_PARAM\_M\_VPFORMAT**  
**RIL\_PARAM\_M\_VP**  
**RIL\_PARAM\_M\_COMMANDTYPE**  
**RIL\_PARAM\_M\_GEOSCOPE**  
**RIL\_PARAM\_M\_MSGCODE**  
**RIL\_PARAM\_M\_UPDATENUMBER**  
**RIL\_PARAM\_M\_ID**  
**RIL\_PARAM\_M\_TOTALPAGES**  
**RIL\_PARAM\_M\_PAGENUMBER**  
**RIL\_PARAM\_M\_HDRLLENGTH**

RIL\_PARAM\_M\_MSGLENGTH

RIL\_PARAM\_M\_CMDLENGTH

RIL\_PARAM\_M\_HDR

RIL\_PARAM\_M\_MSG

RIL\_PARAM\_M\_CMD

RIL\_PARAM\_M\_MSG

RIL\_PARAM\_M\_MSG

RIL\_PARAM\_M\_MSG

RIL\_PARAM\_M\_CMD

RIL\_PARAM\_M\_MSG

RIL\_PARAM\_M\_MSG

**Comments** None

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RILMESSAGE IN SIM Parameter Constants

**Values** 0x00000001

0x00000002

**Comments** None

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RILMESSAGEINFO Parameter Constants

**Values** RIL\_PARAM\_MI\_INDEX

RIL\_PARAM\_MI\_STATUS

RIL\_PARAM\_MI\_MESSAGE

**Comments** None



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	<u>RILMSGCONFIG Parameter Constants</u>
<b>Values</b>	<b>RIL_PARAM_MC_SVCCTRADDRESS</b> <b>RIL_PARAM_MC_BROADCASTMSGIDS</b> <b>RIL_PARAM_MC_BROADCASTMSGLANGS</b> <b>RIL_PARAM_MC_ALL</b>
<b>Comments</b>	None

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	<u>RILMSGDCS Parameter Constants</u>
<b>Values</b>	<b>RIL_PARAM_MDCS_TYPE</b> <b>RIL_PARAM_MDCS_FLAGS</b> <b>RIL_PARAM_MDCS_MSGCLASS</b> <b>RIL_PARAM_MDCS_ALPHABET</b> <b>RIL_PARAM_MDCS_INDICATION</b> <b>RIL_PARAM_MDCS_LANGUAGE</b> <b>RIL_PARAM_MDCS_ALL</b>
<b>Comments</b>	None

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### RILMSGSERVICEINFO Parameter Constants

<b>Values</b>	<b>RIL_PARAM_MSI_SERVICE</b> <b>RIL_PARAM_MSI_MSGCLASSES</b> <b>RIL_PARAM_MSI_READLOCATION</b> <b>RIL_PARAM_MSI_READUSED</b> <b>RIL_PARAM_MSI_READTOTAL</b> <b>RIL_PARAM_MSI_WRITELOCATION</b> <b>RIL_PARAM_MSI_WRITEUSED</b> <b>RIL_PARAM_MSI_WRITETOTAL</b> <b>RIL_PARAM_MSI_STORELOCATION</b> <b>RIL_PARAM_MSI_STOREUSED</b> <b>RIL_PARAM_MSI_STORETOTAL</b> <b>RIL_PARAM_MSI_ALL</b>
<b>Comments</b>	None

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### RILMSGSTORAGEINFO Parameter Constants

<b>Values</b>	<b>RIL_PARAM_MSTI_READLOCATION</b> <b>RIL_PARAM_MSTI_WRITELOCATION</b> <b>RIL_PARAM_MSTI_STORELOCATION</b> <b>RIL_PARAM_MSTI_ALL</b>
<b>Comments</b>	None

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### RILOPERATORINFO Parameter Constants

**Values**      **RIL\_PARAM\_OI\_INDEX**  
**RIL\_PARAM\_OI\_STATUS**  
**RIL\_PARAM\_OI\_NAMES**  
**RIL\_PARAM\_OI\_ALL**

**Comments**      None

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### RILOPERATORNAMES Parameter Constants

**Values**      **RIL\_PARAM\_ON\_LONGNAME**  
**RIL\_PARAM\_ON\_SHORTNAME**  
**RIL\_PARAM\_ON\_NUMNAME**  
**RIL\_PARAM\_ON\_ALL**

**Comments**      None

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### RILPHONEBOOKENTRY Parameter Constants

**Values**      **RIL\_PARAM\_PBE\_INDEX**  
**RIL\_PARAM\_PBE\_ADDRESS**  
**RIL\_PARAM\_PBE\_TEXT**  
**RIL\_PARAM\_PBE\_ALL**

**Comments**      None

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RILPHONEBOOKINFO Parameter Constants

**Values**      **RIL\_PARAM\_PBI\_STORELOCATION**  
**RIL\_PARAM\_PBI\_USED**  
**RIL\_PARAM\_PBI\_TOTAL**  
**RIL\_PARAM\_PBI\_ALL**

**Comments**      None

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RILREMOTEPARTYINFO Parameter Constants

**Values**      **RIL\_PARAM\_RPI\_ADDRESS**  
**RIL\_PARAM\_RPI\_SUBADDRESS**  
**RIL\_PARAM\_RPI\_DESCRIPTION**  
**RIL\_PARAM\_RPI\_VALIDITY**  
**RIL\_PARAM\_RPI\_ALL**

**Comments**      None

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RILRINGINFO Parameter Constants

**Values**      **RIL\_PARAM\_RI\_CALLTYPE**  
**RIL\_PARAM\_RI\_SERVICEINFO**  
**RIL\_PARAM\_RI\_ADDRESSID**  
**RIL\_PARAM\_RI\_ALL**

**Comments**      None

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### RILRLPINFO Parameter Constants

<b>Values</b>	<b>RIL_PARAM_RLPI_IWS</b>
	<b>RIL_PARAM_RLPI_MWS</b>
	<b>RIL_PARAM_RLPI_ACKTIMER</b>
	<b>RIL_PARAM_RLPI_RETRANSMISSIONATTEMPTS</b>
	<b>RIL_PARAM_RLPI_VERSION</b>
	<b>RIL_PARAM_RPLI_RESEQUENCINGPERIOD</b>
	<b>RIL_PARAM_RPLI_ALL</b>
<b>Comments</b>	None

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### RILSERIALPORTSTATS Parameter Constants

<b>Values</b>	<b>RIL_PARAM_SPS_READBITSPERSECOND</b>
	<b>RIL_PARAM_SPS_WRITTENBITSPERSECOND</b>
	<b>RIL_PARAM_SPS_ALL</b>
<b>Comments</b>	None

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### RILSERVICEINFO Parameter Constants

<b>Values</b>	<b>RIL_PARAM_SVCI_SYNCHRONOUS</b>
	<b>RIL_PARAM_SVCI_TRANSPARENT</b>
	<b>RIL_PARAM_SVCI_ALL</b>
<b>Comments</b>	None

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RILSIGNALQUALITY Parameter Constants

<b>Values</b>	<b>RIL_PARAM_SQ_SIGNALSTRENGTH</b>
	<b>RIL_PARAM_SQ_MINSIGNALSTRENGTH</b>
	<b>RIL_PARAM_SQ_MAXSIGNALSTRENGTH</b>
	<b>RIL_PARAM_SQ_BITERRORRATE</b>
	<b>RIL_PARAM_SQ_LOWSIGNALSTRENGTH</b>
	<b>RIL_PARAM_SQ_HIGHSIGNALSTRENGTH</b>
	<b>RIL_PARAM_SQ_ALL</b>
<b>Comments</b>	None

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RILSIMCMDPARAMETERS Parameter Constants

<b>Values</b>	<b>RIL_PARAM_SCP_FILEID</b>
	<b>RIL_PARAM_SCP_PARAM1</b>
	<b>RIL_PARAM_SCP_PARAM2</b>
	<b>RIL_PARAM_SCP_PARAM3</b>
	<b>RIL_PARAM_SCP_ALL</b>
<b>Comments</b>	None

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RILSIMRECORDSTATUS Parameter Constants

<b>Values</b>	<b>RIL_PARAM_SRS_RECORDTYPE</b>
	<b>RIL_PARAM_SRS_ITEMCOUNT</b>
	<b>RIL_PARAM_SRS_SIZE</b>
	<b>RIL_PARAM_SRS_ALL</b>
<b>Comments</b>	None

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### RILSIMRESPONSE Parameter Constants

<b>Values</b>	<b>RIL_PARAM_SR_STATUSWORD1</b>
	<b>RIL_PARAM_SR_STATUSWORD2</b>
	<b>RIL_PARAM_SR_RESPONSE</b>
	<b>RIL_PARAM_SR_ALL</b>
<b>Comments</b>	None

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## RILSIMTOOLKITNOTIFYCAPS Parameter Constants

### Values

RIL\_PARAM\_SIMTKN\_REFRESH

RIL\_PARAM\_SIMTKN\_MORETIME

RIL\_PARAM\_SIMTKN\_POLLINTERVAL

RIL\_PARAM\_SIMTKN\_POLLINGOFF

RIL\_PARAM\_SIMTKN\_SETUPCALL

RIL\_PARAM\_SIMTKN\_SENDSS

RIL\_PARAM\_SIMTKN\_SENDSMS

RIL\_PARAM\_SIMTKN\_PLAYTONE

RIL\_PARAM\_SIMTKN\_DISPLAYTEXT

RIL\_PARAM\_SIMTKN\_GETINKEY

RIL\_PARAM\_SIMTKN\_GETINPUT

RIL\_PARAM\_SIMTKN\_SELECTITEM

RIL\_PARAM\_SIMTKN\_SETUPMENU

RIL\_PARAM\_SIMTKN\_LOCALINFO

RIL\_PARAM\_SIMTKN\_NOTIFYFLAGS

RIL\_PARAM\_SIMTKN\_ALL

### Comments

Parameters for LPRILSIMTOOLKITNOTIFYCAPS -> dwParams

05783317 021604  
for "Release"



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### RILSIMTOOLKITNOTIFYCAPS Parameter Constants

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#### RILSUBADDRESS Parameter Constants

<b>Values</b>	<b>RIL_PARAM_SA_TYPE</b>
	<b>RIL_PARAM_SA_SUBADDRESS</b>
	<b>RIL_PARAM_SA_ALL</b>
<b>Comments</b>	None

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#### RILSUBSCRIBERINFO Parameter Constants

<b>Values</b>	<b>RIL_PARAM_SI_ADDRESS</b>
	<b>RIL_PARAM_SI_DESCRIPTION</b>
	<b>RIL_PARAM_SI_SPEED</b>
	<b>RIL_PARAM_SI_SERVICE</b>
	<b>RIL_PARAM_SI_ITC</b>
	<b>RIL_PARAM_SI_ADDRESSID</b>
	<b>RIL_PARAM_SI_ALL</b>
<b>Comments</b>	None

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#### RILSUPSERVICEDATA Parameter Constants

<b>Values</b>	<b>RIL_PARAM_SSDI_STATUS</b>
	<b>RIL_PARAM_SSDI_DATA</b>
<b>Comments</b>	None

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### Address Type Constants

<b>Description Values</b>	Different phone number representations
	<b>RIL_ADDRTYPE_UNKNOWN</b> <i>Unknown type</i>
	<b>RIL_ADDRTYPE_INTERNATIONAL</b> <i>International number</i>
	<b>RIL_ADDRTYPE_NATIONAL</b> <i>National number</i>
	<b>RIL_ADDRTYPE_NETWORKSPECIFIC</b> <i>Network specific number</i>
	<b>RIL_ADDRTYPE_SUBSCRIBER</b> <i>Subscriber number (protocol-specific)</i>
	<b>RIL_ADDRTYPE_ALPHANUM</b> <i>Alphanumeric address</i>
	<b>RIL_ADDRTYPE_ABBREV</b> <i>Abbreviated number</i>
<b>Comments</b>	None

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### API Result Constants

<b>Description Values</b>	API call results (RIL_NCLASS_FUNCRESULT)
	<b>RIL_RESULT_OK</b> <i>RIL API call succeeded; lpData is NULL</i>
	<b>RIL_RESULT_NOCARRIER</b> <i>RIL API failed because no carrier was detected; lpData is NULL</i>
	<b>RIL_RESULT_ERROR</b> <i>RIL API failed; lpData points to RIL_E_* constant</i>
	<b>RIL_RESULT_NODIALTONE</b> <i>RIL API failed because no dialtone was detected; lpData is NULL</i>
	<b>RIL_RESULT_BUSY</b> <i>RIL API failed because the line was busy; lpData is NULL</i>
	<b>RIL_RESULT_NOANSWER</b> <i>RIL API failed because of the lack of answer; lpData is NULL</i>
<b>Comments</b>	None

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### Audio Device Constants

<b>Description</b>	Audio devices
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<b>Values</b>	<b>RIL_AUDIO_NONE</b> <i>No audio devices</i>
	<b>RIL_AUDIO_HANDSET</b> <i>Handset</i>
	<b>RIL_AUDIO_SPEAKERPHONE</b> <i>Speakerphone</i>
	<b>RIL_AUDIO_HEADSET</b> <i>Headset</i>
	<b>RIL_AUDIO_CARKIT</b> <i>Carkit</i>
<b>Comments</b>	None

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### Bearer CE Constants

<b>Description Values</b>	Bearer service connection element capabilities
	<b>RIL_CAPS_BSVCCCE_TRANSPARENT</b> <i>TBD</i>
	<b>RIL_CAPS_BSVCCCE_NONTRANSPARENT</b> <i>TBD</i>
	<b>RIL_CAPS_BSVCCCE_BOTH_TRANSPARENT</b> <i>TBD</i>
	<b>RIL_CAPS_BSVCCCE_BOTH_NONTRANSPARENT</b> <i>TBD</i>
<b>Comments</b>	None

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### Bearer Service Constants

<b>Description Values</b>	Bearer service names
	<b>RIL_BSVCCNAME_UNKNOWN</b> <i>TBD</i>
	<b>RIL_BSVCCNAME_DATACIRCUIT_ASYNC_UDI_MODEM</b> <i>TBD</i>
	<b>RIL_BSVCCNAME_DATACIRCUIT_SYNC_UDI_MODEM</b> <i>TBD</i>
	<b>RIL_BSVCCNAME_PADACCESS_ASYNC_UDI</b> <i>TBD</i>
	<b>RIL_BSVCCNAME_PACKETACCESS_SYNC_UDI</b> <i>TBD</i>
	<b>RIL_BSVCCNAME_DATACIRCUIT_ASYNC_RDI</b> <i>TBD</i>

**RIL\_BSVNAME\_DATACIRCUIT\_SYNC\_RDI**  
*TBD*

**RIL\_BSVNAME\_PADACCESS\_ASYNC\_RDI**  
*TBD*

**RIL\_BSVNAME\_PACKETACCESS\_SYNC\_RDI**  
*TBD*

**Comments** None

### Bearer Service CE Constants

**Description Values** Bearer service connection elements  
**RIL\_BSVCE\_UNKNOWN**  
*Bearer service unknown*  
**RIL\_BSVCE\_TRANSPARENT**  
*Link layer correction enabled*  
**RIL\_BSVCE\_NONTRANSPARENT**  
*No link layer correction present*  
**RIL\_BSVCE\_BOTH\_TRANSPARENT**  
*Both available, transparent preferred*  
**RIL\_BSVCE\_BOTH\_NONTRANSPARENT**  
*Both available, non-transparent preferred*

**Comments** None

### Bit Error Rate Constants

**Description Values** Special bit error rate value  
**RIL\_BITERRORRATE\_UNKNOWN**  
*Unknown signal strength*

**Comments** None

### Call Barr Facility Constants

**Description Values** Types of call barring  
**RIL\_BARRTYPE\_ALLOUTGOING**  
*Barr all outgoing calls*  
**RIL\_BARRTYPE\_OUTGOINGINT**  
*Barr outgoing international calls*  
**RIL\_BARRTYPE\_OUTGOINGINTEXTOHOM**  
*Barr outgoing international calls except to home country*

#### **RIL\_BARRTYPE\_ALLINCOMING**

*Barr all incoming calls*

#### **RIL\_BARRTYPE\_INCOMINGROAMING**

*Barr incoming calls when roaming outside of home country*

#### **RIL\_BARRTYPE\_INCOMINGNOTINSIM**

*Barr incoming calls from numbers not stored to SIM memory*

#### **RIL\_BARRTYPE\_ALLBARRING**

*All barring services*

#### **RIL\_BARRTYPE\_ALLOUTGOINGBARRING**

*All outgoing barring services*

#### **RIL\_BARRTYPE\_ALLINCOMINGBARRING**

*All incoming barring services*

#### **Comments**

None

### Call Barr Status Constants

#### **Description Values**

Status values for call barring

#### **RIL\_BARRINGSTATUS\_DISABLED**

*Disable*

#### **RIL\_BARRINGSTATUS\_ENABLED**

*Disable*

#### **Comments**

None

### Call Direction Constants

#### **Description Values**

Call direction

#### **RIL\_CALLDIR\_INCOMING**

*Incoming call*

#### **RIL\_CALLDIR\_OUTGOING**

*Outgoing call*

#### **Comments**

None

### Call Management Constants

#### **Description Values**

Call management commands

#### **RIL\_CALLCMD\_RELEASEHELD**

*Release all held calls, send "busy" to waiting call*

#### **RIL\_CALLCMD\_RELEASEACTIVE\_ACCEPTHELD**

*Release all active calls, accept waiting/held call*

- RIL\_CALLCMD\_RELEASECALL**  
*Release the specified call*
- RIL\_CALLCMD\_HOLDACTIVE\_ACCEPTHELD**  
*Hold all active calls, accept waiting/held call*
- RIL\_CALLCMD\_HOLDALLBUTONE**  
*Hold all active calls, except for the specified call*
- RIL\_CALLCMD\_ADDHELDTOCONF**  
*Add all held calls to a conference*
- RIL\_CALLCMD\_ADDHELDTOCONF\_DISCONNECT**  
*Connect held calls to a conference, disconnect the user*
- RIL\_CALLCMD\_INVOKECCBS**  
*Invokes completion of calls to busy subscribers*

**Comments**      None

---

Call Multiparty Constants

- Description Values**      Call multiparty status values
- RIL\_CALL\_SINGLEPARTY**  
*Not in a conference*
  - RIL\_CALL\_MULTIPARTY**  
*Participating in a conference*

**Comments**      None

---

Call Option Constants

- Description Values**      Call options defaults
- RIL\_DIALTONEWAIT\_DEFAULT**  
*TBD*
  - RIL\_DIALTIMEOUT\_DEFAULT**  
*TBD*
  - RIL\_COMMAPAUSE\_DEFAULT**  
*TBD*
  - RIL\_DISCONNECTTIMEOUT\_DEFAULT**  
*TBD*

**Comments**      None

---

Call Status Constants

- Description**      Call status values

<b>Values</b>	<b>RIL_CALLSTAT_ACTIVE</b> <i>Active call</i>
	<b>RIL_CALLSTAT_ONHOLD</b> <i>Call on hold</i>
	<b>RIL_CALLSTAT_DIALING</b> <i>In the process of dialing</i>
	<b>RIL_CALLSTAT_ALERTING</b> <i>In the process of ringing</i>
	<b>RIL_CALLSTAT_INCOMING</b> <i>Incoming (unanswered) call</i>
	<b>RIL_CALLSTAT_WAITING</b> <i>Incoming call waiting call</i>
<b>Comments</b>	None

---

### Call Type Constants

<b>Description Values</b>	Call types
	<b>RIL_CALLTYPE_UNKNOWN</b> <i>Unknown</i>
	<b>RIL_CALLTYPE_VOICE</b> <i>Voice call</i>
	<b>RIL_CALLTYPE_DATA</b> <i>Data call</i>
	<b>RIL_CALLTYPE_FAX</b> <i>Fax call</i>
<b>Comments</b>	None

---

### Caps Bearer Name Constants

<b>Description Values</b>	Bearer service name capabilities
	<b>RIL_CAPS_BSVNAME_DATACIRCUIT_ASYNC_UDI_MODEM</b> <i>TBD</i>
	<b>RIL_CAPS_BSVNAME_DATACIRCUIT_SYNC_UDI_MODEM</b> <i>TBD</i>
	<b>RIL_CAPS_BSVNAME_PADACCESS_ASYNC_UDI</b> <i>TBD</i>
	<b>RIL_CAPS_BSVNAME_PACKETACCESS_SYNC_UDI</b> <i>TBD</i>
	<b>RIL_CAPS_BSVNAME_DATACIRCUIT_ASYNC_RDI</b> <i>TBD</i>

RIL\_CAPS\_BSVNAME\_DATACIRCUIT\_SYNC\_RDI  
*TBD*  
RIL\_CAPS\_BSVNAME\_PADACCESS\_ASYNC\_RDI  
*TBD*  
RIL\_CAPS\_BSVNAME\_PACKETACCESS\_SYNC\_RDI  
*TBD*

**Comments** None

### Caps Bearer Speed1 Constants

**Description** Bearer service speed capabilities (first set)  
**Values** RIL\_CAPS\_SPEED1\_AUTO  
*TBD*  
RIL\_CAPS\_SPEED1\_300\_V21  
*TBD*  
RIL\_CAPS\_SPEED1\_300\_V110  
*TBD*  
RIL\_CAPS\_SPEED1\_1200\_V22  
*TBD*  
RIL\_CAPS\_SPEED1\_1200\_75\_V23  
*TBD*  
RIL\_CAPS\_SPEED1\_1200\_V110  
*TBD*  
RIL\_CAPS\_SPEED1\_1200\_V120  
*TBD*  
RIL\_CAPS\_SPEED1\_2400\_V22BIS  
*TBD*  
RIL\_CAPS\_SPEED1\_2400\_V26TER  
*TBD*  
RIL\_CAPS\_SPEED1\_2400\_V110  
*TBD*  
RIL\_CAPS\_SPEED1\_2400\_V120  
*TBD*  
RIL\_CAPS\_SPEED1\_4800\_V32  
*TBD*  
RIL\_CAPS\_SPEED1\_4800\_V110  
*TBD*  
RIL\_CAPS\_SPEED1\_4800\_V120  
*TBD*  
RIL\_CAPS\_SPEED1\_9600\_V32  
*TBD*



**RIL\_CAPS\_SPEED1\_9600\_V34**  
*TBD*  
**RIL\_CAPS\_SPEED1\_9600\_V110**  
*TBD*  
**RIL\_CAPS\_SPEED1\_9600\_V120**  
*TBD*  
**RIL\_CAPS\_SPEED1\_14400\_V34**  
*TBD*  
**RIL\_CAPS\_SPEED1\_14400\_V110**  
*TBD*  
**RIL\_CAPS\_SPEED1\_14400\_V120**  
*TBD*  
**RIL\_CAPS\_SPEED1\_19200\_V34**  
*TBD*  
**RIL\_CAPS\_SPEED1\_19200\_V110**  
*TBD*  
**RIL\_CAPS\_SPEED1\_19200\_V120**  
*TBD*  
**RIL\_CAPS\_SPEED1\_28800\_V34**  
*TBD*  
**RIL\_CAPS\_SPEED1\_28800\_V110**  
*TBD*  
**RIL\_CAPS\_SPEED1\_28800\_V120**  
*TBD*  
**RIL\_CAPS\_SPEED1\_38400\_V110**  
*TBD*  
**RIL\_CAPS\_SPEED1\_38400\_V120**  
*TBD*  
**RIL\_CAPS\_SPEED1\_48000\_V110**  
*TBD*  
**RIL\_CAPS\_SPEED1\_48000\_V120**  
*TBD*  
**RIL\_CAPS\_SPEED1\_56000\_V110**  
*TBD*

**Comments**

None

---

Caps Bearer Speed2 Constants

**Description  
Values**

Bearer service speed capabilities (second set)  
**RIL\_CAPS\_SPEED2\_56000\_V120**  
*TBD*

RIL\_CAPS\_SPEED2\_56000\_TRANSP  
TBD

RIL\_CAPS\_SPEED2\_64000\_TRANSP  
TBD

**Comments** None

### Caps Call Barr Constants

**Description  
Values**

Call barring capabilities

RIL\_CAPS\_BARRTYPE\_ALLOUTGOING  
TBD

RIL\_CAPS\_BARRTYPE\_OUTGOINGINT  
TBD

RIL\_CAPS\_BARRTYPE\_OUTGOINGINTEXTHOME  
TBD

RIL\_CAPS\_BARRTYPE\_ALLINCOMING  
TBD

RIL\_CAPS\_BARRTYPE\_INCOMINGROAMING  
TBD

RIL\_CAPS\_BARRTYPE\_INCOMINGNOTINSIM  
TBD

RIL\_CAPS\_BARRTYPE\_ALLBARRING  
TBD

RIL\_CAPS\_BARRTYPE\_ALLOUTGOINGBARRING  
TBD

RIL\_CAPS\_BARRTYPE\_ALLINCOMINGBARRING  
TBD

**Comments** None

### Caps Call Mgmt Constants

**Description  
Values**

Call management command capabilities

RIL\_CAPS\_CALLCMD\_RELEASEHELD  
TBD

RIL\_CAPS\_CALLCMD\_RELEASEACTIVE\_ACCEPTHELD  
TBD

RIL\_CAPS\_CALLCMD\_RELEASECALL  
TBD

RIL\_CAPS\_CALLCMD\_HOLDACTIVE\_ACCEPTHELD  
TBD

**RIL\_CAPS\_CALLCMD\_HOLDALLBUTONE**  
*TBD*  
**RIL\_CAPS\_CALLCMD\_ADDHELDTOCONF**  
*TBD*  
**RIL\_CAPS\_CALLCMD\_ADDHELDTOCONF\_DISCONNECT**  
*TBD*  
**RIL\_CAPS\_CALLCMD\_INVOKECCBS**  
*TBD*

**Comments** None

Caps Call Type Constants

**Description** Call type capabilities  
**Values** **RIL\_CAPS\_CALLTYPE\_VOICE**  
*TBD*  
**RIL\_CAPS\_CALLTYPE\_DATA**  
*TBD*  
**RIL\_CAPS\_CALLTYPE\_FAX**  
*TBD*

**Comments** None

Caps DCS Language Constants

**Description** Message broadcast data coding scheme language capabilities  
**Values** **RIL\_DCSLANG\_GERMAN**  
*TBD*  
**RIL\_DCSLANG\_ENGLISH**  
*TBD*  
**RIL\_DCSLANG\_ITALIAN**  
*TBD*  
**RIL\_DCSLANG\_FRENCH**  
*TBD*  
**RIL\_DCSLANG\_SPANISH**  
*TBD*  
**RIL\_DCSLANG\_DUTCH**  
*TBD*  
**RIL\_DCSLANG\_SWEDISH**  
*TBD*  
**RIL\_DCSLANG\_DANISH**  
*TBD*

**RIL\_DCSLANG\_PORTUGUESE**  
*TBD*

**RIL\_DCSLANG\_FINNISH**  
*TBD*

**RIL\_DCSLANG\_NORWEGIAN**  
*TBD*

**RIL\_DCSLANG\_GREEK**  
*TBD*

**RIL\_DCSLANG\_TURKISH**  
*TBD*

**RIL\_DCSLANG\_HUNGARIAN**  
*TBD*

**RIL\_DCSLANG\_POLISH**  
*TBD*

**RIL\_DCSLANG\_CZECH**  
*TBD*

**Comments** None

---

### Caps Dialing Option Constants

**Description Values** Dialing options capabilities  
**RIL\_CAPS\_DIALOPT\_RESTRICTID**  
*TBD*

**RIL\_CAPS\_DIALOPT\_PRESENTID**  
*TBD*

**RIL\_CAPS\_DIALOPT\_CLOSEDGROUP**  
*TBD*

**Comments** None

---

### Caps Equipment Constants

**Description Values** Equipment state capabilities  
**RIL\_CAPS\_EQSTATE\_MINIMUM**  
*TBD*

**RIL\_CAPS\_EQSTATE\_FULL**  
*TBD*

**RIL\_CAPS\_EQSTATE\_DISABLETX**  
*TBD*

**RIL\_CAPS\_EQSTATE\_DISABLELTX**  
*TBD*

	<b>RIL_CAPS_EQSTATE_DISABLETXANDRX</b> <i>TBD</i>
<b>Comments</b>	None

---

### Caps Forwarding Constants

<b>Description</b>	Forwarding reason capabilities
<b>Values</b>	<b>RIL_CAPS_FWDREASON_UNCONDITIONAL</b> <i>TBD</i>
	<b>RIL_CAPS_FWDREASON_MOBILEBUSY</b> <i>TBD</i>
	<b>RIL_CAPS_FWDREASON_NOREPLY</b> <i>TBD</i>
	<b>RIL_CAPS_FWDREASON_UNREACHABLE</b> <i>TBD</i>
	<b>RIL_CAPS_FWDREASON_ALLFORWARDING</b> <i>TBD</i>
	<b>RIL_CAPS_FWDREASON_ALLCONDITIONAL</b> <i>TBD</i>
<b>Comments</b>	None

---

### Caps HSCSD Air Interface Constants

<b>Description</b>	HSCSD air interface user rate capabilities
<b>Values</b>	<b>RIL_CAPS_HSCSDAIURATE_9600</b> <i>TBD</i>
	<b>RIL_CAPS_HSCSDAIURATE_14400</b> <i>TBD</i>
	<b>RIL_CAPS_HSCSDAIURATE_19200</b> <i>TBD</i>
	<b>RIL_CAPS_HSCSDAIURATE_28800</b> <i>TBD</i>
	<b>RIL_CAPS_HSCSDAIURATE_38400</b> <i>TBD</i>
	<b>RIL_CAPS_HSCSDAIURATE_43200</b> <i>TBD</i>
	<b>RIL_CAPS_HSCSDAIURATE_57600</b> <i>TBD</i>
<b>Comments</b>	None

---

### Caps HSCSD Traffic Channel Constants

<b>Description</b>	HSCSD traffic channel coding capabilities
<b>Values</b>	<b>RIL_CAPS_HSCSDCODING_4800_FULLRATE</b> <i>TBD</i> <b>RIL_CAPS_HSCSDCODING_9600_FULLRATE</b> <i>TBD</i> <b>RIL_CAPS_HSCSDCODING_14400_FULLRATE</b> <i>TBD</i>
<b>Comments</b>	None

---

### Caps Info Class Constants

<b>Description</b>	Telephony information class capabilities
<b>Values</b>	<b>RIL_CAPS_INFOCLASS_VOICE</b> <i>TBD</i> <b>RIL_CAPS_INFOCLASS_DATA</b> <i>TBD</i> <b>RIL_CAPS_INFOCLASS_FAX</b> <i>TBD</i> <b>RIL_CAPS_INFOCLASS_SMS</b> <i>TBD</i> <b>RIL_CAPS_INFOCLASS_DATACIRCUITSYNC</b> <i>TBD</i> <b>RIL_CAPS_INFOCLASS_DATACIRCUITASYNC</b> <i>TBD</i> <b>RIL_CAPS_INFOCLASS_PACKETACCESS</b> <i>TBD</i> <b>RIL_CAPS_INFOCLASS_PADACCESS</b> <i>TBD</i>
<b>Comments</b>	None

---

### Caps Message Service Constants

<b>Description</b>	Message service type capabilities
<b>Values</b>	<b>RIL_CAPS_MSGSVCTYPE_PHASE2</b> <i>TBD</i> <b>RIL_CAPS_MSGSVCTYPE_PHASE2PLUS</b> <i>TBD</i>

**Comments**      None

---

### Caps Message Status Constants

**Description**      Message status capabilities  
**Values**      **RIL\_CAPS\_MSGSTATUS\_RECUNREAD**  
                 *TBD*  
                 **RIL\_CAPS\_MSGSTATUS\_RECREAD**  
                 *TBD*  
                 **RIL\_CAPS\_MSGSTATUS\_STOUNSENT**  
                 *TBD*  
                 **RIL\_CAPS\_MSGSTATUS\_STOSENT**  
                 *TBD*  
**Comments**      None

---

### Caps Message Storage Constants

**Description**      Message storage location capabilities  
**Values**      **RIL\_CAPS\_MSGLOC\_BROADCAST**  
                 *TBD*  
                 **RIL\_CAPS\_MSGLOC\_SIM**  
                 *TBD*  
                 **RIL\_CAPS\_MSGLOC\_STATUSREPORT**  
                 *TBD*  
**Comments**      None

---

### Caps Phone Lock Constants

**Description**      Locking facility capabilities  
**Values**      **RIL\_CAPS\_LOCKFACILITY\_CNTRL**  
                 *TBD*  
                 **RIL\_CAPS\_LOCKFACILITY\_PH\_SIM**  
                 *TBD*  
                 **RIL\_CAPS\_LOCKFACILITY\_PH\_FSIM**  
                 *TBD*  
                 **RIL\_CAPS\_LOCKFACILITY\_SIM**  
                 *TBD*  
                 **RIL\_CAPS\_LOCKFACILITY\_SIM\_PIN2**  
                 *TBD*

RIL\_CAPS\_LOCKFACILITY\_SIM\_FIXEDIALING  
TBD

RIL\_CAPS\_LOCKFACILITY\_NETWORKPERS  
TBD

RIL\_CAPS\_LOCKFACILITY\_NETWORKSUBPERS  
TBD

RIL\_CAPS\_LOCKFACILITY\_SERVICEPROVPERS  
TBD

RIL\_CAPS\_LOCKFACILITY\_CORPPERS  
TBD

**Comments** None

### Caps Phonebook Constants

**Description Values** Phonebook storage location capabilities  
RIL\_CAPS\_PBLOC\_SIMEMERGENCY  
TBD  
RIL\_CAPS\_PBLOC\_SIMFIXDIALING  
TBD  
RIL\_CAPS\_PBLOC\_SIMLASTDIALING  
TBD  
RIL\_CAPS\_PBLOC\_OWNNUMBERS  
TBD  
RIL\_CAPS\_PBLOC\_SIMPHONEBOOK  
TBD

**Comments** None

### Caps SIM Toolkit Constants

**Description Values** SIM Toolkit notification capabilities  
RIL\_CAPS\_NOTIFY\_SIMTOOLKITCMD  
TBD  
RIL\_CAPS\_NOTIFY\_SIMTOOLKITCALLSETUP  
TBD  
RIL\_CAPS\_NOTIFY\_SIMTOOLKITEVENT  
TBD

**Comments** None



**Description  
Values**

Caps Type Constants

Capability types

**RIL\_CAPSTYPE\_DIAL**

*TBD*

**RIL\_CAPSTYPE\_DTMFDURATIONRANGE**

*TBD*

**RIL\_CAPSTYPE\_CALLMGTCMDS**

*TBD*

**RIL\_CAPSTYPE\_BEARERSERVICE**

*TBD*

**RIL\_CAPSTYPE\_RLP**

*TBD*

**RIL\_CAPSTYPE\_EQUIPMENTSTATES**

*TBD*

**RIL\_CAPSTYPE\_PBSTORELOCATIONS**

*TBD*

**RIL\_CAPSTYPE\_PBINDEXRANGE**

*TBD*

**RIL\_CAPSTYPE\_PBENTRYTEXTLENGTH**

*TBD*

**RIL\_CAPSTYPE\_MSGSERVICETYPES**

*TBD*

**RIL\_CAPSTYPE\_MSGMEMORYLOCATIONS**

*TBD*

**RIL\_CAPSTYPE\_BROADCASTMSGLANGS**

*TBD*

**RIL\_CAPSTYPE\_MSGCONFIGINDEXRANGE**

*TBD*

**RIL\_CAPSTYPE\_MSGSTATUSVALUES**

*TBD*

**RIL\_CAPSTYPE\_PREFOPINDEXRANGE**

*TBD*

**RIL\_CAPSTYPE\_LOCKFACILITIES**

*TBD*

**RIL\_CAPSTYPE\_LOCKINGPWDLENGTHS**

*TBD*

**RIL\_CAPSTYPE\_BARRTYPES**

*TBD*

**RIL\_CAPSTYPE\_BARRINGPWDLENGTHS**

*TBD*

変数	単位	平均値	標準偏差	最小値	最大値
年齢	歳	31.2	4.5	20	45
性別					
男性		52.3			
女性		47.7			
学歴	年	12.5	1.2	9	15
年収	万円	28.5	15.2	10	60
勤続年数	年	5.8	3.1	0	20
就業形態					
正社員		65.4			
パート		34.6			
職種					
事務		45.2			
営業		32.1			
技術		22.7			
その他		1.0			
家族構成					
独居		15.3			
夫婦		58.7			
夫婦＋子供		25.9			
その他		0.1			
健康状態					
良好		78.5			
普通		18.2			
悪化		3.3			
生活満足度	1～5	3.2	0.8	1	5
仕事満足度	1～5	2.8	0.9	1	5
収入満足度	1～5	2.5	1.0	1	5
将来への希望					
希望あり		60.1			
希望なし		39.9			

## Comments

*TBD*

TBD

TBD

*TBD*

$$\overline{TBD}$$
 $\overline{TBD}$ 
$$\overline{TBD}$$
$$\overline{TBD}$$

None

Description	Values
1. <b>General Information</b>	
1.1 <b>Project Name</b>	Project X
1.2 <b>Project ID</b>	12345
1.3 <b>Project Manager</b>	John Doe
1.4 <b>Project Start Date</b>	2023-01-01
1.5 <b>Project End Date</b>	2023-12-31
1.6 <b>Project Status</b>	In Progress
1.7 <b>Project Budget</b>	\$1,000,000
1.8 <b>Project Location</b>	New York, NY
1.9 <b>Project Team</b>	Team Alpha
1.10 <b>Project Sponsor</b>	ABC Corp
2. <b>Project Objectives</b>	
2.1 <b>Objective 1</b>	Complete Phase 1 by Q2
2.2 <b>Objective 2</b>	Launch Phase 2 by Q3
2.3 <b>Objective 3</b>	Complete Phase 3 by Q4
2.4 <b>Objective 4</b>	Launch Phase 4 by Q1
2.5 <b>Objective 5</b>	Complete Phase 5 by Q2
2.6 <b>Objective 6</b>	Launch Phase 6 by Q3
2.7 <b>Objective 7</b>	Complete Phase 7 by Q4
2.8 <b>Objective 8</b>	Launch Phase 8 by Q1
2.9 <b>Objective 9</b>	Complete Phase 9 by Q2
2.10 <b>Objective 10</b>	Launch Phase 10 by Q3
3. <b>Project Risks</b>	
3.1 <b>Risk 1</b>	Scope Creep
3.2 <b>Risk 2</b>	Resource Availability
3.3 <b>Risk 3</b>	Timeline Pressure
3.4 <b>Risk 4</b>	Budget Overrun
3.5 <b>Risk 5</b>	Communication Breakdown
3.6 <b>Risk 6</b>	Stakeholder Resistance
3.7 <b>Risk 7</b>	Market Volatility
3.8 <b>Risk 8</b>	Regulatory Changes
3.9 <b>Risk 9</b>	Technology Obsolescence
3.10 <b>Risk 10</b>	Competition
4. <b>Project Deliverables</b>	
4.1 <b>Deliverable 1</b>	Project Charter
4.2 <b>Deliverable 2</b>	Project Plan
4.3 <b>Deliverable 3</b>	Project Schedule
4.4 <b>Deliverable 4</b>	Project Budget
4.5 <b>Deliverable 5</b>	Project Risk Register
4.6 <b>Deliverable 6</b>	Project Communication Plan
4.7 <b>Deliverable 7</b>	Project Stakeholder Register
4.8 <b>Deliverable 8</b>	Project Change Log
4.9 <b>Deliverable 9</b>	Project Performance Report
4.10 <b>Deliverable 10</b>	Project Closure Report

RIL\_CCBS\_ALL

## Comments

None

Description	Values
1. <b>General Information</b>	<ul style="list-style-type: none"> <li>Name: [Name]</li> <li>Age: [Age]</li> <li>Gender: [Gender]</li> <li>Address: [Address]</li> <li>City: [City]</li> <li>State: [State]</li> <li>Zip: [Zip]</li> <li>Phone: [Phone]</li> <li>Email: [Email]</li> </ul>
2. <b>Medical History</b>	<ul style="list-style-type: none"> <li>Current Medications: [Medications]</li> <li>Previous Surgeries: [Surgeries]</li> <li>Chronic Conditions: [Conditions]</li> <li>Family History: [History]</li> <li>Allergies: [Allergies]</li> <li>Immunization Status: [Status]</li> </ul>
3. <b>Physical Examination</b>	<ul style="list-style-type: none"> <li>Vital Signs: [Vitals]</li> <li>General Appearance: [Appearance]</li> <li>HEENT: [HEENT]</li> <li>Chest: [Chest]</li> <li>Abdomen: [Abdomen]</li> <li>Extremities: [Extremities]</li> <li>Neurological: [Neurological]</li> <li>Cardiovascular: [Cardiovascular]</li> <li>Respiratory: [Respiratory]</li> <li>Dermatological: [Dermatological]</li> </ul>
4. <b>Diagnosis and Treatment</b>	<ul style="list-style-type: none"> <li>Primary Diagnosis: [Diagnosis]</li> <li>Secondary Diagnosis: [Diagnosis]</li> <li>Treatment Plan: [Treatment]</li> <li>Follow-up: [Follow-up]</li> </ul>
5. <b>Notes and Observations</b>	<ul style="list-style-type: none"> <li>Initial Assessment: [Assessment]</li> <li>Progress Notes: [Notes]</li> <li>Discharge Summary: [Summary]</li> </ul>

RIL\_CUGINFO\_NONE

 $\overline{TBD}$ 

*TBD*

 $\overline{TBD}$ 

This feature is not used in Stinger and is untested.

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### CUG Special Constants

<b>Description</b>	Closed User Group special index value
<b>Values</b>	<b>RIL_CUGINDEX_NONE</b> <i>Used to identify the absence of CUG index</i>
<b>Comments</b>	None

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### Data Compression Constants

<b>Description</b>	Data compression directions
<b>Values</b>	<b>RIL_DATACOMPDIR_NONE</b> <i>No data compression</i> <b>RIL_DATACOMPDIR_TRANSMIT</b> <i>Data compression when sending</i> <b>RIL_DATACOMPDIR_RECEIVE</b> <i>Data compression when receiving</i> <b>RIL_DATACOMPDIR_BOTH</b> <i>Bi-directional data compression</i>
<b>Comments</b>	None

---

### Data Compression Negotiation Constants

<b>Description</b>	Data compression negotiation options
<b>Values</b>	<b>RIL_DATACOMP_OPTIONAL</b> <i>Data compression optional</i> <b>RIL_DATACOMP_REQUIRED</b> <i>Terminal will disconnect if no negotiation</i>
<b>Comments</b>	None

---

### Data Rate Constants

<b>Description</b>	Defines different protocol dependant data rates
<b>Values</b>	<b>RIL_SPEED_UNKNOWN</b> <i>Unknown speed</i> <b>RIL_SPEED_AUTO</b> <i>Automatic selection of speed</i> <b>RIL_SPEED_300_V21</b> <i>300 bps (V.21)</i>

**RIL\_SPEED\_300\_V110**  
*300 bps (V.100)*

**RIL\_SPEED\_1200\_V22**  
*1200 bps (V.22)*

**RIL\_SPEED\_1200\_75\_V23**  
*1200/75 bps (V.23)*

**RIL\_SPEED\_1200\_V110**  
*1200 bps (V.100)*

**RIL\_SPEED\_1200\_V120**  
*1200 bps (V.120)*

**RIL\_SPEED\_2400\_V22BIS**  
*2400 bps (V.22bis)*

**RIL\_SPEED\_2400\_V26TER**  
*2400 bps (V.26ter)*

**RIL\_SPEED\_2400\_V110**  
*2400 bps (V.110 or X.31 flag stuffing)*

**RIL\_SPEED\_2400\_V120**  
*2400 bps (V.120)*

**RIL\_SPEED\_4800\_V32**  
*4800 bps (V.32)*

**RIL\_SPEED\_4800\_V110**  
*4800 bps (V.110 or X.31 flag stuffing)*

**RIL\_SPEED\_4800\_V120**  
*4800 bps (V.120)*

**RIL\_SPEED\_9600\_V32**  
*9600 bps (V.32)*

**RIL\_SPEED\_9600\_V34**  
*9600 bps (V.34)*

**RIL\_SPEED\_9600\_V110**  
*9600 bps (V.110 or X.31 flag stuffing)*

**RIL\_SPEED\_9600\_V120**  
*9600 bps (V.120)*

**RIL\_SPEED\_14400\_V34**  
*14400 bps (V.34)*

**RIL\_SPEED\_14400\_V110**  
*14400 bps (V.100 or X.31 flag stuffing)*

**RIL\_SPEED\_14400\_V120**  
*14400 bps (V.120)*

**RIL\_SPEED\_19200\_V34**  
*19200 bps (V.34)*

**RIL\_SPEED\_19200\_V110**  
*19200 bps (V.110 or X.31 flag stuffing)*

**RIL\_SPEED\_19200\_V120**  
*19200 bps (V.120)*

**RIL\_SPEED\_28800\_V34**  
*28800 bps (V.34)*

**RIL\_SPEED\_28800\_V110**  
*28800 bps (V.110 or X.31 flag stuffing)*

**RIL\_SPEED\_28800\_V120**  
*28800 bps (V.120)*

**RIL\_SPEED\_38400\_V110**  
*38400 bps (V.110 or X.31 flag stuffing)*

**RIL\_SPEED\_38400\_V120**  
*38400 bps (V.120)*

**RIL\_SPEED\_48000\_V110**  
*48000 bps (V.110 or X.31 flag stuffing)*

**RIL\_SPEED\_48000\_V120**  
*48000 bps (V.120)*

**RIL\_SPEED\_56000\_V110**  
*56000 bps (V.110 or X.31 flag stuffing)*

**RIL\_SPEED\_56000\_V120**  
*56000 bps (V.120)*

**RIL\_SPEED\_56000\_TRANSP**  
*56000 bps (bit transparent)*

**RIL\_SPEED\_64000\_TRANSP**  
*64000 bps (bit transparent)*

**Comments** None

---

### Dialing Option Constants

**Description** Dialing options

**Values**

**RIL\_DIALOPT\_NONE**  
*No options*

**RIL\_DIALOPT\_RESTRICTID**  
*Restrict CLI presentation*

**RIL\_DIALOPT\_PRESENTID**  
*Allow CLI presentation*

**RIL\_DIALOPT\_CLOSEDGROUP**  
*Closed User Group dialing*

**RIL\_DIALOPT\_ALL**  
*All options*

**Comments** None

---

### Disconnect Initiation Constants

<b>Description Values</b>	Disconnect initiation values
	<b>RIL_DISCINIT_LOCAL</b> <i>Local party initiated</i>
	<b>RIL_DISCINIT_REMOTE</b> <i>Remote party initiated</i>
<b>Comments</b>	None

---

### Driver defined Radio ON vs OFF State Constants

<b>Description Values</b>	Radio ON/OFF states
	<b>RIL_RADIOSUPPORT_UNKNOWN</b> <i>The Radio Functionality is in an intermediate state</i>
	<b>RIL_RADIOSUPPORT_OFF</b> <i>The Radio Functionality is OFF (DOES NOT Neccessarily mean safe for flight)</i>
	<b>RIL_RADIOSUPPORT_ON</b> <i>The Radio Functionality is ON</i>
<b>Comments</b>	These values normally depend on the Equipment state

---

### DTMF Duration Constants

<b>Description Values</b>	DTMF tone duration default
	<b>RIL_DTMFDURATION_DEFAULT</b> <i>TBD</i>
<b>Comments</b>	None

---

### Equipment State Constants

<b>Description Values</b>	Equipment states
	<b>RIL_EQSTATE_UNKNOWN</b> <i>Unknown</i>
	<b>RIL_EQSTATE_MINIMUM</b> <i>Minimum power state</i>
	<b>RIL_EQSTATE_FULL</b> <i>Full functionality</i>
	<b>RIL_EQSTATE_DISABLETX</b> <i>Transmitter disabled</i>

	<b>RIL_EQSTATE_DISABLERX</b> <i>Receiver disabled</i>
	<b>RIL_EQSTATE_DISABLETXANDRX</b> <i>Transmitter &amp; receiver disabled</i>
<b>Comments</b>	None

## Error Constants

### **Description Values**

Error codes

**RIL\_E\_PHONEFAILURE**  
*Unspecified phone failure*

**RIL\_E\_NOCONNECTION**  
*RIL has no connection to the phone*

**RIL\_E\_LINKRESERVED**  
*RIL's link to the phone is reserved*

**RIL\_E\_OPNOTALLOWED**  
*Attempted operation isn't allowed*

**RIL\_E\_OPNOTSUPPORTED**  
*Attempted operation isn't supported*

**RIL\_E\_PHSIMPINREQUIRED**  
*PH-SIM PIN is required to perform this operation*

**RIL\_E\_PHFSIMPINREQUIRED**  
*PH-FSIM PIN is required to perform this operation*

**RIL\_E\_PHFSIMPUKREQUIRED**  
*PH-FSIM PUK is required to perform this operation*

**RIL\_E\_SIMNOTINSERTED**  
*SIM isn't inserted into the phone*

**RIL\_E\_SIMPINREQUIRED**  
*SIM PIN is required to perform this operation*

**RIL\_E\_SIMPUKREQUIRED**  
*SIM PUK is required to perform this operation*

**RIL\_E\_SIMFAILURE**  
*SIM failure was detected*

**RIL\_E\_SIMBUSY**  
*SIM is busy*

**RIL\_E\_SIMWRONG**  
*Incorrect SIM was inserted*

**RIL\_E\_INCORRECTPASSWORD**  
*Incorrect password was supplied*

**RIL\_E\_SIMPIN2REQUIRED**  
*SIM PIN2 is required to perform this operation*

**RIL\_E\_SIMPUK2REQUIRED**

*SIM PUK2 is required to perform this operation*

**RIL\_E\_MEMORYFULL**

*Storage memory is full*

**RIL\_E\_INVALIDINDEX**

*Invalid storage index was supplied*

**RIL\_E\_NOTFOUND**

*A requested storage entry was not found*

**RIL\_E\_MEMORYFAILURE**

*Storage memory failure*

**RIL\_E\_TEXTSTRINGTOOLONG**

*Supplied text string is too long*

**RIL\_E\_INVALIDTEXTSTRING**

*Supplied text string contains invalid characters*

**RIL\_E\_DIALSTRINGTOOLONG**

*Supplied dial string is too long*

**RIL\_E\_INVALIDDIALSTRING**

*Supplied dial string contains invalid characters*

**RIL\_E\_NONNETWORKSVC**

*Network service isn't available*

**RIL\_E\_NETWORKTIMEOUT**

*Network operation timed out*

**RIL\_E\_EMERGENCYONLY**

*Network can only be used for emergency calls*

**RIL\_E\_NETWKPINREQUIRED**

*Network Personalization PIN is required to perform this operation*

**RIL\_E\_NETWKPUKREQUIRED**

*Network Personalization PUK is required to perform this operation*

**RIL\_E\_SUBSETPINREQUIRED**

*Network Subset Personalization PIN is required to perform this operation*

**RIL\_E\_SUBSETPUKREQUIRED**

*Network Subset Personalization PUK is required to perform this operation*

**RIL\_E\_SVCPINREQUIRED**

*Service Provider Personalization PIN is required to perform this operation*

**RIL\_E\_SVCPUKREQUIRED**

*Service Provider Personalization PUK is required to perform this operation*

**RIL\_E\_CORPPINREQUIRED**

*Corporate Personalization PIN is required to perform this operation*

**RIL\_E\_CORPPUKREQUIRED**

*Corporate Personalization PUK is required to perform this operation*

**RIL\_E\_TELEMATICIWUNSUPPORTED**

*Telematic interworking isn't supported*



**RIL\_E\_SMTYPE0UNSUPPORTED**

*Type 0 messages aren't supported*

**RIL\_E\_CANTREPLACMSG**

*Existing message cannot be replaced*

**RIL\_E\_PROTOCOLIDERROR**

*Unspecified error related to the message Protocol ID*

**RIL\_E\_DCSUNSUPPORTED**

*Specified message Data Coding Scheme isn't supported*

**RIL\_E\_MSGCLASSUNSUPPORTED**

*Specified message class isn't supported*

**RIL\_E\_DCSERROR**

*Unspecified error related to the message Data Coding Scheme*

**RIL\_E\_CMDCANTBEACTIONED**

*Specified message Command cannot be executed*

**RIL\_E\_CMDUNSUPPORTED**

*Specified message Command isn't supported*

**RIL\_E\_CMDError**

*Unspecified error related to the message Command*

**RIL\_E\_MSGBODYHEADERERROR**

*Unspecified error related to the message Body or Header*

**RIL\_E\_SCBUSY**

*Message Service Center is busy*

**RIL\_E\_NOSCSUBSCRIPTION**

*No message Service Center subscription*

**RIL\_E\_SCSYSTEMFAILURE**

*Message service Center system failure occurred*

**RIL\_E\_INVALIDADDRESS**

*Specified address is invalid*

**RIL\_E\_DESTINATIONBARRED**

*Message destination is barred*

**RIL\_E\_REJECTEDDUPLICATE**

*Duplicate message was rejected*

**RIL\_E\_VPFUNSUPPORTED**

*Specified message Validity Period Format isn't supported*

**RIL\_E\_VPUNSUPPORTED**

*Specified message Validity Period isn't supported*

**RIL\_E\_SIMMSGSTORAGEFULL**

*Message storage on the SIM is full*

**RIL\_E\_NOSIMMSGSTORAGE**

*SIM isn't capable of storing messages*

**RIL\_E\_SIMTOOLKITBUSY**

*SIM Application Toolkit is busy*

**RIL\_E\_SIMDOWNLOADERERROR**  
*SIM data download error*

**RIL\_E\_MSGSVCRESERVED**  
*Messaging service is reserved*

**RIL\_E\_INVALIDMSGPARAM**  
*One of the message parameters is invalid*

**RIL\_E\_UNKNOWNSCADDRESS**  
*Unknown message Service Center address was specified*

**RIL\_E\_UNASSIGNEDNUMBER**  
*Specified message destination address is a currently unassigned phone number*

**RIL\_E\_MSGBARREDBYOPERATOR**  
*Message sending was barred by an operator*

**RIL\_E\_MSGCALLBARRED**  
*Message sending was prevented by outgoing calls barring*

**RIL\_E\_MSGXFERREJECTED**  
*Sent message has been rejected by the receiving equipment*

**RIL\_E\_DESTINATIONOUTOFSVC**  
*Message could not be delivered because destination equipment is out of service*

**RIL\_E\_UNIDENTIFIEDSUBSCRIBER**  
*Sender's mobile ID isn't registered*

**RIL\_E\_SVCUNSUPPORTED**  
*Requested messaging service isn't supported*

**RIL\_E\_UNKNOWNSUBSCRIBER**  
*Sender isn't recognized by the network*

**RIL\_E\_NETWKOUTOFORDER**  
*Long-term network failure*

**RIL\_E\_NETWKTEMPFAILURE**  
*Short-term network failure*

**RIL\_E\_CONGESTION**  
*Operation failed because of the high network traffic*

**RIL\_E\_RESOURCESUNAVAILABLE**  
*Unspecified resources weren't available*

**RIL\_E\_SVCNOTSUBSCRIBED**  
*Sender isn't subscribed for the requested messaging service*

**RIL\_E\_SVCNOTIMPLEMENTED**  
*Requested messaging service isn't implemented on the network*

**RIL\_E\_INVALIDMSGREFERENCE**  
*Invalid message reference value was used*

**RIL\_E\_INVALIDMSG**  
*Message was determined to be invalid for unspecified reasons*

**RIL\_E\_INVALIDMANDATORYINFO**  
*Mandatory message information is invalid or missing*

<b>RIL_E_MSGTYPEUNSUPPORTED</b>	<i>The message type is unsupported</i>
<b>RIL_E_ICOMPATIBLEMSG</b>	<i>Sent message isn't compatible with the network</i>
<b>RIL_E_INFOELEMENTUNSUPPORTED</b>	<i>An information element specified in the message isn't supported</i>
<b>RIL_E_PROTOCOLERROR</b>	<i>Unspesfied protocol error</i>
<b>RIL_E_NETWORKERROR</b>	<i>Unspecified network error</i>
<b>RIL_E_MESSAGINGERROR</b>	<i>Unspecified messaging error</i>
<b>RIL_E_NOTREADY</b>	<i>RIL isn't yet ready to perform the requested operation</i>
<b>RIL_E_TIMEDOUT</b>	<i>Operation timed out</i>
<b>RIL_E_CANCELLED</b>	<i>Operation was cancelled</i>
<b>RIL_E_NONOTIFYCALLBACK</b>	<i>Requested operation requires an RIL notification callback, which wasn't provided</i>
<b>RIL_E_OPFMTUNAVAILABLE</b>	<i>Operator format isn't available</i>
<b>RIL_E_NORESPONSE</b>	<i>Dial operation hasn't received a response for a long time</i>
<b>RIL_E_SECURITYFAILURE</b>	<i>Security failure</i>
<b>RIL_E_RADIOFAILEDINIT</b>	<i>Radio failed to initialize correctly</i>
<b>RIL_E_DRIVERINITFAILED</b>	<i>There was a problem initializing the radio driver</i>
<b>RIL_E_RADIONOTPRESENT</b>	<i>The Radio is not present</i>

**Comments**      None

---

### Error Class Constants

<b>Description</b>	Each RIL error falls into a general error class bucket
<b>Values</b>	<b>0x00</b> <i>Misc error</i> <b>0x01</b> <i>Unspecified phone failure</i>

- 0x02**  
*Problem with the SIM*
- 0x03**  
*Can't access the network*
- 0x04**  
*Error in the network*
- 0x05**  
*Error in the mobile*
- 0x06**  
*Unsupported by the network*
- 0x07**  
*Unsupported by the mobile*
- 0x08**  
*An invalid parameter was supplied*
- 0x09**  
*Error relating to storage*
- 0x0A**  
*Error relates to the SMSC*
- 0x0B**  
*Error in the destination mobile*
- 0x0C**  
*Unsupported by destination mobile*
- 0x0D**  
*The Radio Module is Off or a radio module may not be present*

#### Comments

In RIL, the low order 16 bits are divided into an 8-bit error class and an 8-bit error value.  
Use the RILERRORCLASS macro to obtain the error class from a RIL HRESULT.

#### Error Correction Constants

#### Description Values

- Error correction modes
- RIL\_ECMODE\_UNKNOWN**  
*TBD*
- RIL\_ECMODE\_DIRECT**  
*TBD*
- RIL\_ECMODE\_BUFFERED**  
*TBD*
- RIL\_ECMODE\_NODETECT**  
*TBD*
- RIL\_ECMODE\_DETECT**  
*TBD*
- RIL\_ECMODE\_ALTERNATIVE**  
*TBD*

**RIL\_ECMODE\_OPTIONAL\_USEBUFFERED**  
*TBD*

**RIL\_ECMODE\_OPTIONAL\_USEDIRECT**  
*TBD*

**RIL\_ECMODE\_REQUIRED**  
*TBD*

**RIL\_ECMODE\_REQUIRED\_LAPONLY**  
*TBD*

**RIL\_ECMODE\_REQUIRED\_ALTERNATIVEONLY**  
*TBD*

**Comments** None

### Forwarding Reason Constants

**Description** Forwarding reasons

**Values**

**RIL\_FWDREASON\_UNCONDITIONAL**  
*Always forward*

**RIL\_FWDREASON\_MOBILEBUSY**  
*Forward when device busy*

**RIL\_FWDREASON\_NOREPLY**  
*Forward when no answer*

**RIL\_FWDREASON\_UNREACHABLE**  
*Forward device out of service*

**RIL\_FWDREASON\_ALLFORWARDING**  
*TBD*

**RIL\_FWDREASON\_ALLCONDITIONAL**  
*TBD*

**Comments** None

### GPRS Class Constants

**Description** GPRS Class

**Values**

**RIL\_GPRSCLASS\_UNKNOWN**  
*GPRS class unknown*

**RIL\_GPRSCLASS\_GSMANDGPRS**  
*Simultaneous voice and GPRS data*

**RIL\_GPRSCLASS\_GSMORGPRS**  
*Simultaneous voice and GPRS traffic channel, one or other data*

**RIL\_GPRSCLASS\_GSMORGPRS\_EXCLUSIVE**  
*Either all voice or all GPRS, both traffic channels unmonitored*

**RIL\_GPRSCLASS\_GPRSONLY**

*Only GPRS*

**RIL\_GPRSCLASS\_GSMONLY**

*Only circuit switched voice and data*

**Comments**

None

### GPRS Data Comp Constants

**Description**

GPRS Data Compression

**Values**

**RIL\_GPRSDATACOMP\_OFF**

*compression off*

**RIL\_GPRSDATACOMP\_ON**

*compression off*

**Comments**

None

### GPRS Delay Class Constants

**Description**

GPRS Delay Class

**Values**

**RIL\_GPRSDELAYCLASS\_PREDICTIVE1**

*see gsm 02.60*

**RIL\_GPRSDELAYCLASS\_PREDICTIVE2**

*see gsm 02.60*

**RIL\_GPRSDELAYCLASS\_PREDICTIVE3**

*see gsm 02.60*

**RIL\_GPRSDELAYCLASS\_BESTEFFECT**

*see gsm 02.60*

**Comments**

None

### GPRS Header Comp Constants

**Description**

GPRS Header Compression

**Values**

**RIL\_GPRSHEADERCOMP\_OFF**

*compression off*

**RIL\_GPRSHEADERCOMP\_ON**

*compression off*

**Comments**

None

## GPRS Mean Throughput Class Constants

### Description Values

GPRS Mean Throughput Class
<b>RIL_MEANTHRUCLASS_100</b> <i>0.22 bits/second</i>
<b>RIL_MEANTHRUCLASS_200</b> <i>0.44 bits/second</i>
<b>RIL_MEANTHRUCLASS_500</b> <i>1.11 bits/second</i>
<b>RIL_MEANTHRUCLASS_1000</b> <i>2.2 bits/second</i>
<b>RIL_MEANTHRUCLASS_2000</b> <i>4.4 bits/second</i>
<b>RIL_MEANTHRUCLASS_5000</b> <i>11.1 bits/second</i>
<b>RIL_MEANTHRUCLASS_10000</b> <i>22 bits/second</i>
<b>RIL_MEANTHRUCLASS_20000</b> <i>44 bits/second</i>
<b>RIL_MEANTHRUCLASS_50000</b> <i>111 bits/second</i>
<b>RIL_MEANTHRUCLASS_100000</b> <i>220 bits/second</i>
<b>RIL_MEANTHRUCLASS_200000</b> <i>440 bits/second</i>
<b>RIL_MEANTHRUCLASS_500000</b> <i>1,110 bits/second</i>
<b>RIL_MEANTHRUCLASS_1000000</b> <i>2,200 bits/second</i>
<b>RIL_MEANTHRUCLASS_2000000</b> <i>4,400 bits/second</i>
<b>RIL_MEANTHRUCLASS_5000000</b> <i>11,100 bits/second</i>
<b>RIL_MEANTHRUCLASS_10000000</b> <i>22,000 bits/second</i>
<b>RIL_MEANTHRUCLASS_20000000</b> <i>44,000 bits/second</i>
<b>RIL_MEANTHRUCLASS_50000000</b> <i>111,000 bits/second</i>
<b>RIL_MEANTHRUCLASS_DONTCARE</b> <i>best effort</i>

<b>Comments</b>	Constants represent octets per hour
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### GPRS Peak Throughput Class Constants

<b>Description</b>	GPRS Peak Throughput Class
<b>Values</b>	<b>RIL_PEAKTHRUCLASS_8000</b> <i>bits per second</i>
	<b>RIL_PEAKTHRUCLASS_16000</b> <i>bits per second</i>
	<b>RIL_PEAKTHRUCLASS_32000</b> <i>bits per second</i>
	<b>RIL_PEAKTHRUCLASS_64000</b> <i>bits per second</i>
	<b>RIL_PEAKTHRUCLASS_128000</b> <i>bits per second</i>
	<b>RIL_PEAKTHRUCLASS_256000</b> <i>bits per second</i>
	<b>RIL_PEAKTHRUCLASS_512000</b> <i>bits per second</i>
	<b>RIL_PEAKTHRUCLASS_1024000</b> <i>bits per second</i>
	<b>RIL_PEAKTHRUCLASS_2048000</b> <i>bits per second</i>

<b>Comments</b>	Constants represent bits per second
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### GPRS Precedence Class Constants

<b>Description</b>	GPRS Precedence Class
<b>Values</b>	<b>RIL_GPRSPRECEDENCECLASS_HIGH</b> <i>high priority</i>
	<b>RIL_GPRSPRECEDENCECLASS_NORMAL</b> <i>normal priority</i>
	<b>RIL_GPRSPRECEDENCECLASS_LOW</b> <i>low priority</i>

<b>Comments</b>	None
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### GPRS Protocol Constants

<b>Description</b>	GPRS L2 Protocols
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<b>Values</b>	<b>RIL_GPRSL2PROTOCOL_UNKNOWN</b> §3
	<b>RIL_GPRSL2PROTOCOL_NULL</b> <i>none, for PDP type OSP:IHOSS</i>
	<b>RIL_GPRSL2PROTOCOL_PPP</b> <i>Point-to-point protocol for a PDP such as IP</i>
	<b>RIL_GPRSL2PROTOCOL_PAD</b> <i>character stream for X.25 character (triple X PAD) mode</i>
	<b>RIL_GPRSL2PROTOCOL_X25</b> <i>X.25 L2 (LAPB) for X.25 packet mode</i>
<b>Comments</b>	None See GSM 07.07 10.1.6 for definitions

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### GPRS Protocol Constants

<b>Description</b>	GPRS Packet Protocols
<b>Values</b>	<b>RIL_GPRSPROTOCOL_UNKNOWN</b> <i>Unknown</i>
	<b>RIL_GPRSPROTOCOL_X25</b> <i>ITU-T/CCITT X.25 Layer 4</i>
	<b>RIL_GPRSPROTOCOL_IP</b> <i>Internet Protocol (IETF STD 5)</i>
	<b>RIL_GPRSPROTOCOL_IHOSP</b> <i>Internet Hosted Octet Stream Protocol</i>
	<b>RIL_GPRSPROTOCOL_PPP</b> <i>Point to Point Protocol</i>
<b>Comments</b>	None

---

### GPRS Reliability Class Constants

<b>Description</b>	GPRS Reliability Class
<b>Values</b>	<b>RIL_GPRSRELIABILITYCLASS_1</b> <i>see gsm 03.60</i>
	<b>RIL_GPRSRELIABILITYCLASS_2</b> <i>see gsm 03.60</i>
	<b>RIL_GPRSRELIABILITYCLASS_3</b> <i>see gsm 03.60</i>
	<b>RIL_GPRSRELIABILITYCLASS_4</b> <i>see gsm 03.60</i>
	<b>RIL_GPRSRELIABILITYCLASS_5</b> <i>see gsm 03.60</i>

**Comments**      None

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### GPRS SMS Constants

**Description Values**      Mobile Originated SMS Service Constants  
**RIL\_MOSMSSERVICE\_CIRCUIT**  
                                 *circuit switched*  
**RIL\_MOSMSSERVICE\_GPRS**  
                                 *GPRS*  
**RIL\_MOSMSSERVICE\_CIRCUITPREFERRED**  
                                 *use both, circuit switched preferred*  
**RIL\_MOSMSSERVICE\_GPRSPREFERRED**  
                                 *use both, GPRS preferred*

**Comments**      None

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### HSCSD Air Interface Constants

**Description Values**      HSCSD air interface user rates  
**RIL\_HSCSDAIURATE\_UNKNOWN**  
                                 *Air interface rate*  
**RIL\_HSCSDAIURATE\_9600**  
                                 *9600 bits per second*  
**RIL\_HSCSDAIURATE\_14400**  
                                 *14400 bits per second*  
**RIL\_HSCSDAIURATE\_19200**  
                                 *19200 bits per second*  
**RIL\_HSCSDAIURATE\_28800**  
                                 *28800 bits per second*  
**RIL\_HSCSDAIURATE\_38400**  
                                 *38400 bits per second*  
**RIL\_HSCSDAIURATE\_43200**  
                                 *43200 bits per second*  
**RIL\_HSCSDAIURATE\_57600**  
                                 *57600 bits per second*  
**RIL\_HSCSDAIURATE\_DEFAULT**  
                                 *A special value that indicates the radio stack should calculate the appropriate number of receive timeslots based on other paramaters*

**Comments**      None

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### HSCSD Special Constants

<b>Description Values</b>	<p>Special HSCSD receive timeslots value</p> <p><b>RIL_HSCSDTIMESLOTS_DEFAULT</b>  <i>Indicates that the radio stack should calculate appropriate number of timeslots</i></p> <p><b>RIL_HSCSDTIMESLOTSLIMIT_NONE</b>  <i>Indicates that number of receive timeslots will not be altered during the next non-transparent HSCSD call</i></p>
<b>Comments</b>	None

---

### HSCSD Traffic Channel Constants

<b>Description Values</b>	<p>HSCSD traffic channel codings</p> <p><b>RIL_HSCSDCODING_UNKNOWN</b>  <i>Unknown channel coding</i></p> <p><b>RIL_HSCSDCODING_4800_FULLRATE</b>  <i>4800 bits per second</i></p> <p><b>RIL_HSCSDCODING_9600_FULLRATE</b>  <i>9600 bits per second</i></p> <p><b>RIL_HSCSDCODING_14400_FULLRATE</b>  <i>14400 bits per second</i></p> <p><b>RIL_HSCSDCODING_ALL</b>  <i>All channel codings valid</i></p>
<b>Comments</b>	None

---

### Information Class Constants

<b>Description Values</b>	<p>Telephony information classes</p> <p><b>RIL_INFOCLASS_NONE</b>  <i>None</i></p> <p><b>RIL_INFOCLASS_VOICE</b>  <i>Voice</i></p> <p><b>RIL_INFOCLASS_DATA</b>  <i>Data</i></p> <p><b>RIL_INFOCLASS_FAX</b>  <i>Fax</i></p> <p><b>RIL_INFOCLASS_SMS</b>  <i>SMS</i></p> <p><b>RIL_INFOCLASS_DATACIRCUITSYNC</b>  <i>Data Circuit synchronous</i></p>
---------------------------	---

### *Data Circuit asynchronous*

### *Dedicated Packet Access*

### Dedicated PAD Access

### All information classes

<b>Comments</b>	None
-----------------	------

### ITC Constants

Description	Information transfer capability types
Information transfer capability types	

Values	RIL_ITC_31KHZ
--------	---------------

3.1 kHz

**RIL ITC\_UDI**

## Unrestricted Digital Information

Comments	None
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## Line Registration Constants

Description	Line registration status values
Line registration status	0: Not registered 1: Registered

**Values** **RIL REGSTAT\_UNKNOWN**

*Registration unknown*

RIL REGSTAT\_UNREGISTERED

*Unregistered*

RIL REGSTAT\_HOME

Registered on home network

RIL REGSTAT\_ATTEMPTING

Attempting to register

**RIL REGSTAT DENIED**

*Registration denied*

**RIL REGSTAT\_ROAMING**

Registered on roaming network

<b>Comments</b>	None
-----------------	------

## Line Status Constants

Description	Line status values
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<b>Values</b>	<b>RIL_LINESTAT_UNKNOWN</b> <i>Unknown</i>
	<b>RIL_LINESTAT_READY</b> <i>Line is ready</i>
	<b>RIL_LINESTAT_UNAVAILABLE</b> <i>Line is unavailable</i>
	<b>RIL_LINESTAT_RINGING</b> <i>Incoming call on the line</i>
	<b>RIL_LINESTAT_CALLINPROGRESS</b> <i>Call in progress</i>
	<b>RIL_LINESTAT_ASLEEP</b> <i>Line is asleep</i>
<b>Comments</b>	None

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### Lock Facility Constants

<b>Description Values</b>	Facilities for phone locking
	<b>RIL_LOCKFACILITY_CNTRL</b> <i>Lock control curface</i>
	<b>RIL_LOCKFACILITY_PH_SIM</b> <i>Lock phone to SIM card</i>
	<b>RIL_LOCKFACILITY_PH_FSIM</b> <i>Lock phone to first SIM card</i>
	<b>RIL_LOCKFACILITY_SIM</b> <i>Lock SIM card</i>
	<b>RIL_LOCKFACILITY_SIM_PIN2</b> <i>SIM PIN2 (only for RIL_ChangeLockingPassword())</i>
	<b>RIL_LOCKFACILITY_SIM_FIXEDIALING</b> <i>SIM fixed dialing memory</i>
	<b>RIL_LOCKFACILITY_NETWORKPERS</b> <i>Network personalization</i>
	<b>RIL_LOCKFACILITY_NETWORKSUBPERS</b> <i>Network subset personalization</i>
	<b>RIL_LOCKFACILITY_SERVICEPROVPERS</b> <i>Service provider personalization</i>
<b>Comments</b>	<b>RIL_LOCKFACILITY_CORPPERS</b> <i>Corporate personalization</i>
	None

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### Lock Status Constants

<b>Description Values</b>	Locking status values
	<b>RIL_LOCKINGSTATUS_DISABLED</b> <i>Disable</i>
	<b>RIL_LOCKINGSTATUS_ENABLED</b> <i>Enabled</i>
<b>Comments</b>	None

---

### Maximum lengths Constants

<b>Description Values</b>	Maximum lengths for string parameters
	<b>MAXLENGTH_ADDRESS</b> 256
	<b>MAXLENGTH_SUBADDR</b> 256
	<b>MAXLENGTH_DESCRIPTION</b> 256
	<b>MAXLENGTH_OPERATOR</b> 32
	<b>MAXLENGTH_OPERATOR_LONG</b> 32
	<b>MAXLENGTH_OPERATOR_SHORT</b> 16
	<b>MAXLENGTH_OPERATOR_NUMERIC</b> 16
	<b>MAXLENGTH_SERVCTR</b> 256
	<b>MAXLENGTH_PASSWORD</b> 256
	<b>MAXLENGTH_ERRSHORT</b> 256
	<b>MAXLENGTH_ERRLONG</b> 256
	<b>MAXLENGTH_EQUIPINFO</b> 128
	<b>MAXLENGTH_PHONEBOOKADDR</b> 256
	<b>MAXLENGTH_PHONEBOOKTEXT</b> 256

MAXLENGTH\_CURRENCY  
256  
MAXLENGTH\_AREAIID  
256  
MAXLENGTH\_CELLID  
256  
MAXLENGTH\_HDR  
256  
MAXLENGTH\_MSG  
256  
MAXLENGTH\_CMD  
256  
MAXLENGTH\_MSGIDS  
256  
MAXLENGTH\_USERID  
256  
MAXLENGTH\_DTMF  
256  
MAXLENGTH\_GPRSADDRESS  
256  
MAXLENGTH\_GPRSACCESSPOINTNAME  
256

Comments

None

---

Message Class Constants

**Description  
Values**

Message classes  
RIL\_MSGCLASS\_NONE  
TBD  
RIL\_MSGCLASS\_INCOMING  
TBD  
RIL\_MSGCLASS\_OUTGOING  
TBD  
RIL\_MSGCLASS\_BROADCAST  
TBD  
RIL\_MSGCLASS\_ALL  
TBD

Comments

None

---

### Message Command Constants

<b>Description</b>	Message command types
<b>Values</b>	<b>RIL_MSGCMDTYPE_STATUSREQ</b> <i>TBD</i> <b>RIL_MSGCMDTYPE_CANCELSTATUSREQ</b> <i>TBD</i> <b>RIL_MSGCMDTYPE_DELETEMESSAGE</b> <i>TBD</i> <b>RIL_MSGCMDTYPE_ENABLESTATUSREQ</b> <i>TBD</i>
<b>Comments</b>	None

---

### Message DCS Constants

<b>Description</b>	Message data coding scheme types
<b>Values</b>	<b>RIL_DCSTYPE_GENERAL</b> <i>TBD</i> <b>RIL_DCSTYPE_MSGWAIT</b> <i>TBD</i> <b>RIL_DCSTYPE_MSGCLASS</b> <i>TBD</i> <b>RIL_DCSTYPE_LANGUAGE</b> <i>TBD</i>
<b>Comments</b>	None

---

### Message DCS Alphabets Constants

<b>Description</b>	Message data coding scheme alphabets
<b>Values</b>	<b>RIL_DCSALPHABET_DEFAULT</b> <i>TBD</i> <b>RIL_DCSALPHABET_8BIT</b> <i>TBD</i> <b>RIL_DCSALPHABET_UCS2</b> <i>TBD</i>
<b>Comments</b>	None



Variable	Mean	SD	Min	Max
Age	34.5	10.2	21	55
Gender	Male	Female		
Marital status	Married	Single		
Education	High school	College		
Occupation	Manager	Worker		
Income	Low	High		
Health status	Good	Poor		
Stress level	Low	High		
Life satisfaction	Low	High		
Resilience	Low	High		
Optimism	Low	High		
Self-efficacy	Low	High		
Perceived stress	Low	High		
Depression	Low	High		
Anxiety	Low	High		
Quality of life	Low	High		
Health-related quality of life	Low	High		
Physical health	Low	High		
Mental health	Low	High		
Social health	Low	High		
Environmental health	Low	High		
Overall health	Low	High		

Description	Message broadcast data coding scheme languages
Values	RIL_DCSLANG_NONE TBD
	RIL_DCSLANG_UNKNOWN TBD
	RIL_DCSLANG_GERMAN TBD
	RIL_DCSLANG_ENGLISH TBD
	RIL_DCSLANG_ITALIAN TBD
	RIL_DCSLANG_FRENCH TBD
	RIL_DCSLANG_SPANISH TBD
	RIL_DCSLANG_DUTCH TBD
	RIL_DCSLANG_SWEDISH TBD
	RIL_DCSLANG_DANISH TBD
	RIL_DCSLANG_PORTUGUESE TBD
	RIL_DCSLANG_FINNISH TBD
	RIL_DCSLANG_NORWEGIAN TBD
	RIL_DCSLANG_GREEK TBD
	RIL_DCSLANG_TURKISH TBD
	RIL_DCSLANG_HUNGARIAN TBD
	RIL_DCSLANG_POLISH TBD
	RIL_DCSLANG_CZECH TBD
	RIL_DCSLANG_ALL TBD

**Comments** None

---

### Message DCS Classes Constants

**Description** Message data coding scheme message classes  
**Values** **RIL\_DCSMSGCLASS\_0**

*TBD*

**RIL\_DCSMSGCLASS\_1**

*TBD*

**RIL\_DCSMSGCLASS\_2**

*TBD*

**RIL\_DCSMSGCLASS\_3**

*TBD*

**Comments** None

---

### Message DCS Flags Constants

**Description** Message data coding scheme flags

**Values** **RIL\_DCSFLAG\_NONE**

*TBD*

**RIL\_DCSFLAG\_COMPRESSED**

*TBD*

**RIL\_DCSFLAG\_INDICATIONACTIVE**

*TBD*

**RIL\_DCSFLAG\_DISCARD**

*Only for RIL\_DCSTYPE\_MSGWAIT*

**RIL\_DCSFLAG\_ALL**

*TBD*

**Comments** None

---

### Message DCS Indication Constants

**Description** Message data coding scheme indication types

**Values** **RIL\_DCSINDICATION\_VOICEMAIL**

*Voicemail indication*

**RIL\_DCSINDICATION\_FAX**

*Fax indication*

**RIL\_DCSINDICATION\_EMAIL**

*E-Mail indication*

## **RIL\_DCSINDICATION\_OTHER**

*Other indication*

### **Comments**

None

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## **Message Delivery Constants**

### **Description Values**

Message delivery status values

**RIL\_MSGDLVSTATUS\_RECEIVEDBYSME**

*TBD*

**RIL\_MSGDLVSTATUS\_FORWARDEDRTOSME**

*TBD*

**RIL\_MSGDLVSTATUS\_REPLACEDBYSC**

*TBD*

**RIL\_MSGDLVSTATUS\_CONGESTION\_TRYING**

*TBD*

**RIL\_MSGDLVSTATUS\_SMEBUSY\_TRYING**

*TBD*

**RIL\_MSGDLVSTATUS\_SMENOTRESPONDING\_TRYING**

*TBD*

**RIL\_MSGDLVSTATUS\_SVCREJECTED\_TRYING**

*TBD*

**RIL\_MSGDLVSTATUS\_QUALITYUNAVAIL\_TRYING**

*TBD*

**RIL\_MSGDLVSTATUS\_SMEERROR\_TRYING**

*TBD*

**RIL\_MSGDLVSTATUS\_CONGESTION**

*TBD*

**RIL\_MSGDLVSTATUS\_SMEBUSY**

*TBD*

**RIL\_MSGDLVSTATUS\_SMENOTRESPONDING**

*TBD*

**RIL\_MSGDLVSTATUS\_SVCREJECTED**

*TBD*

**RIL\_MSGDLVSTATUS\_QUALITYUNAVAIL\_TEMP**

*TBD*

**RIL\_MSGDLVSTATUS\_SMEERROR**

*TBD*

**RIL\_MSGDLVSTATUS\_REMOTEPROCERROR**

*TBD*

**RIL\_MSGDLVSTATUS\_INCOMPATIBLEDEST**

*TBD*

**RIL\_MSGDLVSTATUS\_CONNECTIONREJECTED**  
*TBD*

**RIL\_MSGDLVSTATUS\_NOTOBTAINABLE**  
*TBD*

**RIL\_MSGDLVSTATUS\_NOINTERNETWORKING**  
*TBD*

**RIL\_MSGDLVSTATUS\_VPEXPIRED**  
*TBD*

**RIL\_MSGDLVSTATUS\_DELETEDBYORIGSME**  
*TBD*

**RIL\_MSGDLVSTATUS\_DELETEDBYSC**  
*TBD*

**RIL\_MSGDLVSTATUS\_NOLONGEREXISTS**  
*TBD*

**RIL\_MSGDLVSTATUS\_QUALITYUNAVAIL**  
*TBD*

**RIL\_MSGDLVSTATUS\_RESERVED\_COMPLETED**  
*TBD*

**RIL\_MSGDLVSTATUS\_RESERVED\_TRYING**  
*TBD*

**RIL\_MSGDLVSTATUS\_RESERVED\_ERROR**  
*TBD*

**RIL\_MSGDLVSTATUS\_RESERVED\_TMPERROR**  
*TBD*

**RIL\_MSGDLVSTATUS\_SCSPECIFIC\_COMPLETED**  
*TBD*

**RIL\_MSGDLVSTATUS\_SCSPECIFIC\_TRYING**  
*TBD*

**RIL\_MSGDLVSTATUS\_SCSPECIFIC\_ERROR**  
*TBD*

**RIL\_MSGDLVSTATUS\_SCSPECIFIC\_TMPERROR**  
*TBD*

**Comments**      None

---

### Message Flag Constants

**Description  
Values**

Message flags

**RIL\_MSGFLAG\_NONE**  
*None*

**RIL\_MSGFLAG\_MORETOSEND**  
*More messages to send (valid for RIL\_MSGTYPE\_IN\_DELIVER and  
RIL\_MSGTYPE\_IN\_STATUS)*

**RIL\_MSGFLAG\_REPLYPATH**

*Message contains a reply path (valid for RIL\_MSGTYPE\_IN\_DELIVER and RIL\_MSGTYPE\_OUT\_SUBMIT)*

**RIL\_MSGFLAG\_HEADER**

*TBD (valid for RIL\_MSGTYPE\_IN\_DELIVER, RIL\_MSGTYPE\_OUT\_SUBMIT, RIL\_MSGTYPE\_IN\_STATUS, and RIL\_MSGTYPE\_OUT\_COMMAND)*

**RIL\_MSGFLAG\_REJECTDUPS**

*TBD (valid for RIL\_MSGTYPE\_OUT\_SUBMIT only)*

**RIL\_MSGFLAG\_STATUSREPORTRETURNED**

*(valid for RIL\_MSGTYPE\_IN\_DELIVER only)*

**RIL\_MSGFLAG\_STATUSREPORTREQUESTED**

*(valid for RIL\_MSGTYPE\_OUT\_SUBMIT and RIL\_MSGTYPE\_OUT\_COMMAND)*

**RIL\_MSGFLAG\_CAUSEDBYCOMMAND**

*(valid for RIL\_MSGTYPE\_IN\_STATUS only)*

**RIL\_MSGFLAG\_ALL**

*All flags are on*

**Comments**

None

Message Geographic Constants

**Description  
Values**

Message geographic scopes

**RIL\_GEOSCOPE\_CELL\_IMMEDIATE**

*TBD*

**RIL\_GEOSCOPE\_CELL**

*TBD*

**RIL\_GEOSCOPE\_PLMN**

*TBD*

**RIL\_GEOSCOPE\_LOCATIONAREA**

*TBD*

**Comments**

None

Message Protocol Constants

**Description  
Values**

Message protocol IDs

**RIL\_MSGPROTOCOL\_UNKNOWN**

*TBD*

**RIL\_MSGPROTOCOL\_SMETOSME**

*TBD*

**RIL\_MSGPROTOCOL\_IMPLICIT**

*TBD*

**RIL\_MSGPROTOCOL\_TELEX**  
*TBD*  
**RIL\_MSGPROTOCOL\_TELEFAX\_GROUP3**  
*TBD*  
**RIL\_MSGPROTOCOL\_TELEFAX\_GROUP4**  
*TBD*  
**RIL\_MSGPROTOCOL\_VOICEPHONE**  
*TBD*  
**RIL\_MSGPROTOCOL\_ERMES**  
*TBD*  
**RIL\_MSGPROTOCOL\_PAGING**  
*TBD*  
**RIL\_MSGPROTOCOL\_VIDEOTEX**  
*TBD*  
**RIL\_MSGPROTOCOL\_TELETEX**  
*TBD*  
**RIL\_MSGPROTOCOL\_TELETEX\_PSPDN**  
*TBD*  
**RIL\_MSGPROTOCOL\_TELETEX\_CSPDN**  
*TBD*  
**RIL\_MSGPROTOCOL\_TELETEX\_PSTN**  
*TBD*  
**RIL\_MSGPROTOCOL\_TELETEX\_ISDN**  
*TBD*  
**RIL\_MSGPROTOCOL\_UCI**  
*TBD*  
**RIL\_MSGPROTOCOL\_MSGHANDLING**  
*TBD*  
**RIL\_MSGPROTOCOL\_X400**  
*TBD*  
**RIL\_MSGPROTOCOL\_EMAIL**  
*TBD*  
**RIL\_MSGPROTOCOL\_GSMSTATION**  
*TBD*  
**RIL\_MSGPROTOCOL\_SM\_TYPE0**  
*TBD*  
**RIL\_MSGPROTOCOL\_RSM\_TYPE1**  
*TBD*  
**RIL\_MSGPROTOCOL\_RSM\_TYPE2**  
*TBD*  
**RIL\_MSGPROTOCOL\_RSM\_TYPE3**  
*TBD*

**RIL\_MSGPROTOCOL\_RSM\_TYPE4**  
*TBD*

**RIL\_MSGPROTOCOL\_RSM\_TYPE5**  
*TBD*

**RIL\_MSGPROTOCOL\_RSM\_TYPE6**  
*TBD*

**RIL\_MSGPROTOCOL\_RSM\_TYPE7**  
*TBD*

**RIL\_MSGPROTOCOL\_RETURNCALL**  
*TBD*

**RIL\_MSGPROTOCOL\_ME\_DOWNLOAD**  
*TBD*

**RIL\_MSGPROTOCOL\_DEPERSONALIZATION**  
*TBD*

**RIL\_MSGPROTOCOL\_SIM\_DOWNLOAD**  
*TBD*

**Comments** None

---

Message Send Constants

**Description** Send message options

**Values** **RIL\_SENDOPT\_NONE**  
*TBD*

**RIL\_SENDOPT\_PERSISTLINK**  
*TBD*

**Comments** None

---

Message Service Constants

**Description** Messaging service types

**Values** **RIL\_MSGSVCTYPE\_UNKNOWN**  
*Unknown*

**RIL\_MSGSVCTYPE\_PHASE2**  
*GSM 07.05 Phase 2 ver. 4.7.0 messaging service*

**RIL\_MSGSVCTYPE\_PHASE2PLUS**  
*GSM 07.05 Phase 2+ messaging service*

**Comments** None

<u>Message Status Constants</u>	
<b>Description</b>	Message status values
<b>Values</b>	<b>RIL_MSGSTATUS_UNKNOWN</b> <i>TBD</i> <b>RIL_MSGSTATUS_RECUNREAD</b> <i>TBD</i> <b>RIL_MSGSTATUS_RECREAD</b> <i>TBD</i> <b>RIL_MSGSTATUS_STOUNSENT</b> <i>TBD</i> <b>RIL_MSGSTATUS_STOSENT</b> <i>TBD</i>
<b>Comments</b>	None

---

<u>Message Storage Constants</u>	
<b>Description</b>	Message storage locations
<b>Values</b>	<b>RIL_MSGLOC_UNKNOWN</b> <i>Unknown</i> <b>RIL_MSGLOC_BROADCAST</b> <i>Broadcast message storage location</i> <b>RIL_MSGLOC_SIM</b> <i>SIM storage location</i> <b>RIL_MSGLOC_STATUSREPORT</b> <i>Status report storage location</i>
<b>Comments</b>	None

---

<u>Message Type Constants</u>	
<b>Description</b>	Message types
<b>Values</b>	<b>RIL_MSGTYPE_IN_DELIVER</b> <i>Incoming message</i> <b>RIL_MSGTYPE_IN_STATUS</b> <i>Incoming status message</i> <b>RIL_MSGTYPE_OUT_SUBMIT</b> <i>Outgoing message</i> <b>RIL_MSGTYPE_OUT_COMMAND</b> <i>Outgoing command message</i>



<b>Comments</b>	None
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<b>Description</b>	Message validity period formats
<b>Values</b>	<b>RIL_MSGVP_NONE</b>

<b>Comments</b>	None
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<b>Description</b>	Call control notifications (RIL_NCLASS_CALLCTRL)
<b>Values</b>	RIL NOTIFY RING

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	<b>RIL_NOTIFY_DIAL</b> <i>Outgoing call; lpData points to RILDIALINFO</i>
<b>Comments</b>	None

Notification Class Constants

<b>Description</b>	Notification classes
<b>Values</b>	<b>RIL_NCLASS_FUNCRESULT</b> <i>API call results</i> <b>RIL_NCLASS_CALLCTRL</b> <i>Call control notifications</i> <b>RIL_NCLASS_MESSAGE</b> <i>Messaging notifications</i> <b>RIL_NCLASS_NETWORK</b> <i>Network-related notifications</i> <b>RIL_NCLASS_SUPSERVICE</b> <i>Supplementary service notifications</i> <b>RIL_NCLASS_PHONEBOOK</b> <i>Phonebook notifications</i> <b>RIL_NCLASS_SIMTOOLKIT</b> <i>SIM Toolkit notifications</i> <b>RIL_NCLASS_MISC</b> <i>Miscellaneous notifications</i> <b>RIL_NCLASS_RADIOSTATE</b> <i>Notifications Pertaining to changes in Radio State</i> <b>RIL_NCLASS_ALL</b> <i>All notification classes</i>
<b>Comments</b>	None

Notification Messaging Constants

<b>Description</b>	Messaging notifications (RIL_MCLASS_MESSAGE)
<b>Values</b>	<b>RIL_NOTIFY_MESSAGE</b> <i>Incoming message; lpData points to RILMESSAGE</i> <b>RIL_NOTIFY_BCMESAGE</b> <i>Incoming broadcast message; lpData points to RILMESSAGE</i> <b>RIL_NOTIFY_STATUSMESSAGE</b> <i>Incoming status-report message; lpData points to RILMESSAGE</i> <b>RIL_NOTIFY_MSGSTORED</b> <i>A message has been added to storage; lpData points to the storage index assigned to the new message</i>

**RIL\_NOTIFY\_MSGDELETED**  
*A message has been deleted from storage; lpData points to the storage index occupied by the deleted message*

**RIL\_NOTIFY\_MSGSTORAGECHANGED**  
*One of the message storage locations has been changed; lpData points to RILMSGSTORAGEINFO*

**RIL\_NOTIFY\_MESSAGE\_IN\_SIM**  
*Incoming message stored to SIM; lpData points to the storage RILMESSAGE\_IN\_SIM*

**RIL\_NOTIFY\_BCMMESSAGE\_IN\_SIM**  
*Incoming broadcast message stored to SIM; lpData points to RILMESSAGE\_IN\_SIM*

**RIL\_NOTIFY\_STATUSMESSAGE\_IN\_SIM**  
*Incoming status-report message stored to SIM; lpData points to RILMESSAGE\_IN\_SIM*

**Comments** None

### Notification Misc Constants

**Description Values** Miscellaneous notifications (RIL\_NCLASS\_MISC)

**RIL\_NOTIFY\_SIMNOTACCESSIBLE**  
*SIM card has been removed or has failed to respond; lpData is NULL*

**RIL\_NOTIFY\_DTMFSIGNAL**  
*A DTMF signal has been detected; lpData points to char*

**RIL\_NOTIFY\_GPRSCCLASS\_NETWORKCHANGED**  
*Network has indicated a change in GPRS class lpData points to a DWORD containing the new RIL\_GPRSCCLASS\_\* value*

**RIL\_NOTIFY\_GPRSCCLASS\_RADIOCHANGED**  
*The radio has indicated a change in GPRS class lpData points to a DWORD containing the new RIL\_GPRSCCLASS\_\* value*

**Comments** None

### Notification Network Constants

**Description Values** Network-related notifications (RIL\_NCLASS\_NETWORK)

**RIL\_NOTIFY\_REGSTATUSCHANGED**  
*Network registration status has changed; lpData points to the new status (RIL\_REGSTAT\_\* constant)*

**RIL\_NOTIFY\_CALLMETER**  
*Call meter has changed; lpData points to a DWORD containing new current call meter value*

#### **RIL\_NOTIFY\_CALLMETERMAXREACHED**

*Call meter maximum has been reached; lpData is NULL*

#### **RIL\_NOTIFY\_GPRSREGSTATUSCHANGED**

*Network registration status has changed; lpData points to the new status (RIL\_REGSTAT\_\* constant)*

**Comments** None

### Notification Phonebook Constants

**Description  
Values**

Phonebook notifications (RIL\_NCLASS\_PHONEBOOK)

#### **RIL\_NOTIFY\_PHONEBOOKENTRYSTORED**

*A phonebook entry has been added to storage; lpData points to the storage index assigned to the new entry (ifdwIndex is RIL\_PBINDEX\_FIRSTAVAILABLE, the new entry was stored in the first available location)*

#### **RIL\_NOTIFY\_PHONEBOOKENTRYDELETED**

*A phonebook entry has been deleted from storage; lpData points to the storage index occupied by the deleted entry*

#### **RIL\_NOTIFY\_PHONEBOOKSTORAGECHANGED**

*Phonebook storage location has been changed; lpData points to RIL\_PBLOC\_\* constant*

**Comments** None

### Notification Radio State Change Constants

**Description  
Values**

Radio State Change notifications (RIL\_NCLASS\_RADIOSTATE)

#### **RIL\_NOTIFY\_RADIOEQUIPMENTSTATECHANGED**

*Carries a STRUCT (RILEQUIPMENTSTATE) stating The Radio equipmentstate has changed, also notifies a driver defined Radio ON or OFF state*

#### **RIL\_NOTIFY\_RADIOPRESENCECHANGED**

*Carries a dword (RIL\_RADIOPRESENCE\_\*) stating that a Radio Module/Driver has been changed (removed, inserted, etc)*

**Comments** None

### Notification Supplementary Service Constants

**Description  
Values**

Supplementary service notifications (RIL\_NCLASS\_SUPSERVICE)

#### **RIL\_NOTIFY\_CALLERID**

*Incoming call CallerID information; lpData points to RILREMOTEPARTYINFO*

#### **RIL\_NOTIFY\_DIALEDID**

*Initiated call DialedID information; lpData points to RILREMOTEPARTYINFO*

*Call Waiting information; lpData points to RILCALLWAITINGINFO*

*Ustructured supplementary service data; lpData points to RILSUPSERVICEDATA*

## Comments

None

## Notification Toolkit Constants

### Description Values

SIM Toolkit notifications (RIL NCLASS SIMTOOLKIT)

## RIL NOTIFY SIMTOOLKITCMD

*A SIM Toolkit command was not handled by the radio; lpData points to array of bytes containing the command*

## RIL NOTIFY SIMTOOLKITCALLSETUP

*SIM Toolkit is trying to set up a call and call conditions were successfully checked by the radio; lpData points to a DWORD containing the redial timeout for the call (in milliseconds)*

## RIL NOTIFY SIMTOOLKITEVENT

*A SIM Toolkit command was handled by the radio or the radio sent a Sim Toolkit command response to the SIM; lpData points to array of bytes containing the command or response sent*

**RIL NOTIFY SIMTOOLKITSESSIONEND**

*A SIM Toolkit command session is ending*

## Comments

None

## Numbering Plan Constants

Description	Values
Number of observations	60
Number of variables	17
Number of missing values	0
Number of unique values	17
Number of distinct values	17
Number of non-zero values	17
Number of zero values	0
Number of null values	0
Number of NaN values	0
Number of infinity values	0
Number of negative infinity values	0
Number of positive infinity values	0
Number of finite values	17
Number of infinite values	0
Number of NaN values	0
Number of null values	0
Number of zero values	0
Number of non-zero values	17
Number of distinct values	17
Number of unique values	17
Number of missing values	0
Number of variables	17
Number of observations	60

## Different numbering schemes

RIL NUMPLAN UNKNOWN

### Unknown numbering plan

**RIL NUMPLAN TELEPHONE**

ISDN/telephone numbering plan (E.164/E.163)

## RIL NUMPLAN DATA

*Data numbering plan (X.121)*

RIL\_NUMPLAN\_TELEX

### Telex numbering plan

## RIL NUMPLAN NATIONAL

National numbering plan

RIL\_NUMPLAN\_PRIVATE

### Private numbering plan

RIL\_NUMPLAN\_ERMES

*ERMES numbering plan (ETSI DE/PS 3 01-3)*

<b>Comments</b>	Used for <i>RIL_ADDRTYPE_UNKNOWN</i> , <i>RIL_ADDRTYPE_INTERNATIONAL</i> , and <i>RIL_ADDRTYPE_NATIONAL</i>
-----------------	---

---

### Operator Name Constants

<b>Description</b>	Operator name formats
<b>Values</b>	<b>RIL_OPFORMAT_LONG</b> <i>Long alphanumeric name</i> <b>RIL_OPFORMAT_SHORT</b> <i>Short alphanumeric name</i> <b>RIL_OPFORMAT_NUM</b> <i>Numeric name</i>

<b>Comments</b>	None
-----------------	------

---

### Operator Selection Constants

<b>Description</b>	Operator selection modes
<b>Values</b>	<b>RIL_OPSELMODE_AUTOMATIC</b> <i>Automatic operator selection</i> <b>RIL_OPSELMODE_MANUAL</b> <i>Manual operator selection</i> <b>RIL_OPSELMODE_MANUALAUTOMATIC</b> <i>Manual/automatic operator selection (if manual selection fails, automatic selection mode is entered)</i>

<b>Comments</b>	None
-----------------	------

---

### Operator Special Constants

<b>Description</b>	Special preferred operator index value
<b>Values</b>	<b>RIL_PREFOPINDEX_FIRSTAVAILABLE</b> <i>Used to specify that a preferred operator is to be stored at the first available index</i>

<b>Comments</b>	None
-----------------	------

---

### Operator Status Constants

<b>Description</b>	Operator status values
<b>Values</b>	<b>RIL_OPSTATUS_UNKNOWN</b> <i>Unknown status</i>

	<b>RIL_OPSTATUS_AVAILABLE</b> <i>Operator is available</i>
	<b>RIL_OPSTATUS_CURRENT</b> <i>Operator is current</i>
	<b>RIL_OPSTATUS_FORBIDDEN</b> <i>Operator is forbidden</i>
<b>Comments</b>	None

---

### Phone Locked Constants

<b>Description</b>	Phone locked states
<b>Values</b>	<b>RIL_LOCKEDSTATE_UNKNOWN</b> <i>Locking state unknown</i>
	<b>RIL_LOCKEDSTATE_READY</b> <i>ME not locked</i>
	<b>RIL_LOCKEDSTATE_SIM_PIN</b> <i>ME awaiting PIN</i>
	<b>RIL_LOCKEDSTATE_SIM_PUK</b> <i>ME awaiting PUK</i>
	<b>RIL_LOCKEDSTATE_PH_SIM_PIN</b> <i>ME awaiting phone-to-sim password</i>
	<b>RIL_LOCKEDSTATE_PH_FSIM_PIN</b> <i>ME awaiting phone-to-first-sim password</i>
	<b>RIL_LOCKEDSTATE_PH_FSIM_PUK</b> <i>ME awaiting phone-to-first-sim PUK</i>
	<b>RIL_LOCKEDSTATE_SIM_PIN2</b> <i>ME awaiting PIN2/CHV2</i>
	<b>RIL_LOCKEDSTATE_SIM_PUK2</b> <i>ME awaiting PUK2</i>
	<b>RIL_LOCKEDSTATE_PH_NET_PIN</b> <i>ME awaiting network personilization PIN</i>
	<b>RIL_LOCKEDSTATE_PH_NET_PUK</b> <i>ME awaiting network personilization PUK</i>
	<b>RIL_LOCKEDSTATE_PH_NETSUB_PIN</b> <i>ME awaiting network subset personilization PIN</i>
	<b>RIL_LOCKEDSTATE_PH_NETSUB_PUK</b> <i>ME awaiting network subset personilization PUK</i>
	<b>RIL_LOCKEDSTATE_PH_SP_PIN</b> <i>ME awaiting service provider PIN</i>
	<b>RIL_LOCKEDSTATE_PH_SP_PUK</b> <i>ME awaiting service provider PUK</i>

**RIL\_LOCKEDSTATE\_PH\_CORP\_PIN**  
*ME awaiting corporate personilzation PIN*  
**RIL\_LOCKEDSTATE\_PH\_CORP\_PUK**  
*ME awaiting corporate personilzation PUK*

**Comments** None

### Phonebook Storage Constants

**Description** Phonebook storage locations  
**Values** **RIL\_PBLOC\_UNKNOWN**  
*Unknown*  
**RIL\_PBLOC\_SIMEMERGENCY**  
*Emergency numbers*  
**RIL\_PBLOC\_SIMFIXDIALING**  
*Fixed dialing*  
**RIL\_PBLOC\_SIMLASTDIALING**  
*Recent calls list*  
**RIL\_PBLOC\_OWNNUMBERS**  
*TBD*  
**RIL\_PBLOC\_SIMPHONEBOOK**  
*SIM phonebook*

**Comments** None

### Radio Presence States Constants

**Description** Radio Presence States  
**Values** **RIL\_RADIOPRESENCE\_NOTPRESENT**  
*There is not radio module present in the device*  
**RIL\_RADIOPRESENCE\_PRESENT**  
*There is a radio module present that RIL can use*

**Comments** These states are determined by whether the driver is loaded or not

### Remote Party Constants

**Description** Remote party information validity types  
**Values** **RIL\_REMOTEPARTYINFO\_VALID**  
*Information valid*  
**RIL\_REMOTEPARTYINFO\_WITHHELD**  
*Information withheld by other user*



## **RIL\_REMOTEPARTYINFO\_UNAVAILABLE**

*Network unable to send info*

**Comments** None

---

## Signal Strength Constants

**Description** Special signal strength value  
**Values** **RIL\_SIGNALSTRENGTH\_UNKNOWN**  
*Unknown signal strength*

**Comments** None

---

## SIM Command Constants

**Description** SIM commands  
**Values** **RIL\_SIMCMD\_READBINARY**  
*Read a binary*  
**RIL\_SIMCMD\_READRECORD**  
*Read contents of a record*  
**RIL\_SIMCMD\_GETRESPONSE**  
*Required to get output data for some commands*  
**RIL\_SIMCMD\_UPDATEBINARY**  
*Update a transparent file*  
**RIL\_SIMCMD\_UPDATERECORD**  
*Update a linear fixed or cyclic file*  
**RIL\_SIMCMD\_STATUS**  
*Get status on a file*

**Comments** None

---

## SIM Record Constants

**Description** Different SIM file types  
**Values** **RIL\_SIMRECORDTYPE\_UNKNOWN**  
*An unknown file type*  
**RIL\_SIMRECORDTYPE\_TRANSPARENT**  
*A single variable lengthed record*  
**RIL\_SIMRECORDTYPE\_CYCLIC**  
*A cyclic set of records, each of the same length*  
**RIL\_SIMRECORDTYPE\_LINEAR**  
*A linear set of records, each of the same length*

#### **RIL\_SIMRECORDTYPE\_MASTER**

*Every SIM has a single master record, effectively the head node*

#### **RIL\_SIMRECORDTYPE\_DEDICATED**

*Effectively a "directory" file which is a parent of other records*

#### **Comments**

None

### SIM Toolkit Terminate Constants

#### **Description**

SIM Toolkit session termination causes

#### **Values**

**RIL\_SIMKITTERMCAUSE\_USERSTOPPEDREDIAL**

*User stopped redial attempts*

**RIL\_SIMKITTERMCAUSE\_ENDOFREDIAL**

*End of redial period*

**RIL\_SIMKITTERMCAUSE\_USERENDEDSESSION**

*Session terminated by user*

#### **Comments**

None

### Special Phonebook Constants

#### **Description**

Special phonebook index value

#### **Values**

**RIL\_PBINDEX\_FIRSTAVAILABLE**

*User first available entry*

#### **Comments**

None

### Subaddress Type Constants

#### **Description**

Supplementary service data status values

#### **Values**

**RIL\_SUPSVCDATASTATUS\_NOINFOREQUIRED**

*TBD*

**RIL\_SUPSVCDATASTATUS\_FURTHERINFOREQUIRED**

*TBD*

**RIL\_SUPSVCDATASTATUS\_TERMINATED**

*TBD*

**RIL\_SUPSVCDATASTATUS\_OTHERCLIENTRESPONDED**

*TBD*

**RIL\_SUPSVCDATASTATUS\_UNSUPPORTED**

*TBD*

**RIL\_SUPSVCDATASTATUS\_TIMEOUT**

*TBD*

**RIL\_SUPSVCDATASTATUS\_ERROR**  
*TBD*

**Comments** None

Subaddress Type Constants

**Description** Different subaddress types  
**Values** **RIL\_SUBADDRTYPE\_NSAP**  
*NSAP subaddress (X.213/ISO 8348 AD2)*  
**RIL\_SUBADDRTYPE\_USER**  
*User defined subaddress*

**Comments** None

Supplemental Activation Constants

**Description** Supplementary service status values  
**Values** **RIL\_SVCSTAT\_UNKNOWN**  
*Unknown status*  
**RIL\_SVCSTAT\_DISABLED**  
*Service is disabled*  
**RIL\_SVCSTAT\_ENABLED**  
*Service is enabled*  
**RIL\_SVCSTAT\_DEFAULT**  
*Default status*

**Comments** None

Supplementary Service Provisioning Constants

**Description** Supplementary service provisioning values  
**Values** **RIL\_SVCPROV\_UNKNOWN**  
*Unknown provisioning*  
**RIL\_SVCPROV\_NOTPROVISIONED**  
*Service isn't provisioned*  
**RIL\_SVCPROV\_PROVISIONED**  
*Service is provisioned*  
**RIL\_SVCPROV\_TEMPMODERESTRICTED**  
*Service temporary mode is restricted*  
**RIL\_SVCPROV\_TEMPMODEALLOWED**  
*Service temporary mode is allowed*

Comments      None

---

Telephony Service Constants

**Description**      Telephony service types  
**Values**      **RIL\_SERVICE\_UNKNOWN**  
                    *Unknown service*  
**RIL\_SERVICE\_MODEM\_ASYNC**  
                    *Asynchronous modem*  
**RIL\_SERVICE\_MODEM\_SYNC**  
                    *Synchronous modem*  
**RIL\_SERVICE\_PADACCESS\_ASYNC**  
                    *PAD Access (asynchronous)*  
**RIL\_SERVICE\_PACKETACCESS\_SYNC**  
                    *Packet Access (synchronous)*  
**RIL\_SERVICE\_VOICE**  
                    *Voice*  
**RIL\_SERVICE\_FAX**  
                    *Fax*

**Comments**      None

---

Unavailable Constants

**Description**      Detailed reason for support of toolkit functions  
**Values**      **RIL\_SIMTKN\_MEIMPLEMENTS**  
                    *The ME must implement this notification*  
**RIL\_SIMTKN\_RADIOIMPLEMENTS\_NONOTIFICATION**  
                    *The radio will implement and not give a notification to the ME*  
**RIL\_SIMTKN\_RADIOIMPLEMENTS\_NOTIFICATION**  
                    *The radio will implement and give a notification to the ME that it was done*  
**RIL\_SIMTKN\_RADIOIMPLEMENTS\_REQUESTMEINPUT**  
                    *The radio will implement, but requests information from the ME first*

**Comments**      Values that variables information variables in RILSIMTOOLKITNOTIFYCAPS can take on

---

RIL AddCallForwarding

**HRESULT RIL\_AddCallForwarding**(**HRIL** *hRil*, **DWORD** *dwReason*, **const RILCALLFORWARDINGSETTINGS\*** *lpSettings*, **DWORD** *dwAddressId*)  
Adds a Call Forwarding rule

<b>Parameters</b>	<i>hRil</i>
	handle to RIL instance returned by <b>RIL_Initialize</b>
	<i>dwReason</i>
	forwarding reason to add Call Forwarding for ( <i>RIL_FWDREASON_</i> constant)
	<i>lpSettings</i>
	settings for the new Call Forwarding rule
	<i>dwAddressId</i>
	address ID of line on which to change call forwarding settings
<b>Comments</b>	Asynchronous. <i>lpData</i> is <i>NULL</i> .

---

### RIL AddPreferredOperator

**HRESULT RIL\_AddPreferredOperator(HRIL hRil, DWORD dwIndex, const RIOPERATORNAMES\* lpOperatorNames)**

Adds a specified operator to the list of preferred operators

<b>Parameters</b>	<i>hRil</i>
	handle to RIL instance returned by <b>RIL_Initialize</b>
	<i>dwIndex</i>
	storage index to use for the added operator
	<i>lpOperatorNames</i>
	operator name

<b>Comments</b>	Asynchronous. <i>lpData</i> is <i>NULL</i> .
-----------------	--

---

### RIL Answer

**HRESULT RIL\_Answer(HRIL hRil)**

Answers an incoming call

<b>Parameters</b>	<i>hRil</i>
	handle to RIL instance returned by <b>RIL_Initialize</b>

<b>Comments</b>	Asynchronous. <i>lpData</i> is <i>NULL</i> .
-----------------	--

---

### RIL CancelSupServiceDataSession

**HRESULT RIL\_CancelSupServiceDataSession(HRIL hRil)**

Cancels current supplementary service session

<b>Parameters</b>	<i>hRil</i>
	handle to RIL instance returned by <b>RIL_Initialize</b>

<b>Comments</b>	TBD
-----------------	-----

---

### RIL ChangeCallBarringPassword

**HRESULT RIL\_ChangeCallBarringPassword(HRIL hRil, DWORD dwType, LPCSTR lpwszOldPassword, LPCSTR lpwszNewPassword)**

Changes password for the specified type of call barring

#### Parameters

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*dwType*

type of call barring to retrieve status for (*RIL\_BARRTYPE\_* constant)

*lpwszOldPassword*

current password (no longer than *MAXLENGTH\_PASSWORD* chars)

*lpwszNewPassword*

new password (no longer than *MAXLENGTH\_PASSWORD* chars)

#### Comments

Asynchronous. *lpData* is *NULL*.

---

### RIL ChangeLockingPassword

**HRESULT RIL\_ChangeLockingPassword(HRIL hRil, DWORD dwFacility, LPCSTR lpszOldPassword, LPCSTR lpszNewPassword)**

Changes locking password for the specified facility

#### Parameters

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*dwFacility*

facility to change locking password for (*RIL\_LOCKFACILITY\_* constant)

*lpszOldPassword*

current locking password (no longer than *MAXLENGTH\_PASSWORD* chars)

*lpszNewPassword*

new locking password (no longer than *MAXLENGTH\_PASSWORD* chars)

#### Comments

Asynchronous. *lpData* is *NULL*.

---

### RIL ClearCCBSRegistration

**HRESULT RIL\_ClearCCBSRegistration(HRIL hRil, DWORD dwCCBSIndex)**

Clears registration for a Completion of Call to Busy Subscriber index. Activation of CCBS is used by calling *RIL\_ManageCalls* using the *RIL\_CALLCMD\_INVOKECCBS* flag.

#### Parameters

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*dwCCBSIndex*

indicates which entry to clear, may be *RIL\_CCBS\_ALL*

#### Comments

Asynchronous. *lpData* is *NULL*.

---

### RIL\_Deinitialize

**HRESULT RIL\_Deinitialize(HRIL hRil)**

Deinitializes RIL

**Parameters**

*hRil*

handle to an RIL instance returned by **RIL\_Initialize**

**Comments**

Synchronous

---

### RIL\_DeleteGPRSContext

**HRESULT RIL\_DeleteGPRSContext(HRIL hRil, DWORD dwContextID)**

Deletes a particular GPRS context

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*dwContextID*

identifies which context to delete

**Comments**

Asynchronous. *lpData* is *NULL*.

---

### RIL\_DeleteMinimumQualityOfService

**HRESULT RIL\_DeleteMinimumQualityOfService(HRIL hRil, DWORD dwContextID)**

Deletes the minimum quality of service profile for a context

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*dwContextID*

identifies which profile to delete

**Comments**

Asynchronous. *lpData* is *NULL*.

---

### RIL\_DeleteMsg

**HRESULT RIL\_DeleteMsg(HRIL hRil, DWORD dwIndex)**

Deletes a message from the current storage location

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*dwIndex*

index of the message to be deleted

**Comments**

Asynchronous. *lpData* is *NULL*.

---

### RIL DeletePhonebookEntry

**HRESULT RIL\_DeletePhonebookEntry**(HRIL *hRil*, **DWORD** *dwIndex*)

Deletes a phonebook entry from the current storage location

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*dwIndex*

index of the entry to delete

**Comments**

Asynchronous. *lpData* is *NULL*.

---

### RIL DeleteRequestedQualityOfService

**HRESULT RIL\_DeleteRequestedQualityOfService**(HRIL *hRil*, **DWORD** *dwContextID*)

Deletes the requested quality of service profile for a context

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*dwContextID*

identifies which profile to delete

**Comments**

Asynchronous. *lpData* is *NULL*.

---

### RIL DevSpecific

**HRESULT RIL\_DevSpecific**(HRIL *hRil*, **const BYTE\*** *lpbParams*, **DWORD** *dwSize*)

Performs an implementation-specific operation

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*lpbParams*

parameters for the operation to be performed

*dwSize*

size of the data pointed to by *lpParams* in bytes

**Comments**

Asynchronous. *lpData* points to an array of **BYTES**.

---

### RIL Dial

**HRESULT RIL\_Dial**(HRIL *hRil*, **LPCSTR** *lpszAddress*, **DWORD** *dwType*, **DWORD** *dwOptions*, **DWORD** *dwAddressId*)

Dials a specified address



<b>Parameters</b>	<p><i>hRil</i> handle to RIL instance returned by <b>RIL_Initialize</b></p> <p><i>lpszAddress</i> address to dial (no longer than <i>MAXLENGTH_ADDRESS</i> chars)</p> <p><i>dwType</i> type of the call to establish (<i>RIL_CALLTYPE_</i> constant)</p> <p><i>dwOptions</i> dialing options (any combination of <i>RIL_DIALOPT_</i> constants)</p> <p><i>dwAddressId</i> address ID of the line on which to dial out</p>
<b>Comments</b>	Asynchronous. <i>lpData</i> is <i>NULL</i> .

### RIL\_DisableNotifications

**HRESULT RIL\_DisableNotifications(HRIL hRil, DWORD dwNotificationClasses)**  
Disables classes of notifications for this client

<b>Parameters</b>	<p><i>hRil</i> handle to RIL instance returned by <b>RIL_Initialize</b></p> <p><i>dwNotificationClasses</i> classes of notifications to disable</p>
<b>Comments</b>	Synchronous

### RIL\_EnableNotifications

**HRESULT RIL\_EnableNotifications(HRIL hRil, DWORD dwNotificationClasses)**  
Enables additional classes of notifications for this client

<b>Parameters</b>	<p><i>hRil</i> handle to RIL instance returned by <b>RIL_Initialize</b></p> <p><i>dwNotificationClasses</i> classes of notifications to enable</p>
<b>Comments</b>	Synchronous

### RIL\_EnterGPRSDataMode

**HRESULT RIL\_EnterGPRSDataMode(HRIL hRil, const RILENTERGPRSDATAMODE\* lpEnterGprsDataMode)**  
Enters into GPRS data state

<b>Parameters</b>	<p><i>hRil</i> handle to RIL instance returned by <b>RIL_Initialize</b></p>
-------------------	---

*lpEnterGprsDataMode*  
points to a **RILENTERGPRSDATAMODE** structure

**Comments** Asynchronous. *lpData* if *NULL*.

---

### RIL FetchSimToolkitCmd

**HRESULT RIL\_FetchSimToolkitCmd(HRIL hRil)**

Fetches a SIM Toolkit command from the SIM

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

**Comments**

Asynchronous. *lpData* points to an array of **BYTE**s containing a fetched command.

---

### RIL GetAudioDevices

**HRESULT RIL\_GetAudioDevices(HRIL hRil)**

Retrieves currently used transmit and receive audio devices

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

**Comments**

Asynchronous. *lpData* points to an **RILAUDIODEVICEINFO** structure.

---

### RIL GetAudioGain

**HRESULT RIL\_GetAudioGain(HRIL hRil)**

Retrieves audio gain information

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

**Comments**

Asynchronous. *lpData* points to an **RILGAININFO** structure.

---

### RIL GetAudioMuting

**HRESULT RIL\_GetAudioMuting(HRIL hRil)**

Determines whether the input audio device is muted

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

**Comments**

Asynchronous. *lpData* points to a **BOOL**.

---

### RIL\_GetBearerServiceOptions

**HRESULT RIL\_GetBearerServiceOptions(HRIL hRil)**

Retrieves currently set data bearer service options

**Parameters**

*hRil*  
handle to RIL instance returned by **RIL\_Initialize**

**Comments**

Asynchronous. *lpData* points to an **RILBEARERSVCINFO** structure.

---

### RIL\_GetCallBarringStatus

**HRESULT RIL\_GetCallBarringStatus(HRIL hRil, DWORD dwType, DWORD dwInfoClass, LPCSTR lpszPassword)**

Retrieves status of the specified type of call barring

**Parameters**

*hRil*  
handle to RIL instance returned by **RIL\_Initialize**

*dwType*  
type of call barring to retrieve status for (**RIL\_BARRTYPE\_** constant)

*dwInfoClass*  
information class to retrieve barring status for (**RIL\_INFOCLASS\_** constant)

*lpszPassword*  
password to retrieve barring status (can be *NULL* if password isn't required; no longer than **MAXLENGTH\_PASSWORD** chars)

**Comments**

Asynchronous. *lpData* points to a **DWORD** containing a **RIL\_BARRINGSTATUS** constant.

---

### RIL\_GetCallerIdSettings

**HRESULT RIL\_GetCallerIdSettings(HRIL hRil)**

Retrieves the current CallerID settings

**Parameters**

*hRil*  
handle to RIL instance returned by **RIL\_Initialize**

**Comments**

Asynchronous. *lpData* points to an **RILCALLERIDSETTINGS** structure.

---

### RIL\_GetCallForwardingSettings

**HRESULT RIL\_GetCallForwardingSettings(HRIL hRil, DWORD dwReason, DWORD dwAddressId)**

Retrieves current Call Forwarding rules

**Parameters**

*hRil*  
handle to RIL instance returned by **RIL\_Initialize**

*dwReason*

forwarding reason to retrieve the settings for (*RIL\_FWDREASON\_* constant)

*dwAddressId*

address ID of line on which to get call forwarding settings

**Comments**

Asynchronous. *lpData* points to an array of **RILCALLFORWARDINGSETTINGS** structure.

## RIL\_GetCallList

**HRESULT RIL\_GetCallList(HRIL hRil)**

Retrieves the list of active, held, and waiting calls

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

**Comments**

Asynchronous. *lpData* points to an array of **RILCALLINFO** structures.

## RIL\_GetCallWaitingSettings

**HRESULT RIL\_GetCallWaitingSettings(HRIL hRil)**

Retrieves info classes that Call Waiting is currently enabled for

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

**Comments**

Asynchronous. *lpData* points to DWORD containing a combination of *RIL\_INFOCLASS\_* constants.

## RIL\_GetCCBSStatus

**HRESULT RIL\_GetCCBSStatus(HRIL hRil, DWORD dwCCBSIndex)**

Retrieves the status for a Completion of Call to Busy Subscriber index.

**Parameters**

*hRil*

handle to RIL instance returned by **RIL\_Initialize**

*dwCCBSIndex*

indicates which entry to query

**Comments**

Asynchronous. If active, *lpData* points to an array of **chars** indicating the phone number for which CCBS is active. If CCBS is not active for that entry, *lpData* is *NULL*.

## RIL\_GetCellTowerInfo

**HRESULT RIL\_GetCellTowerInfo(HRIL hRil)**

Retrieves information about the cell tower currently used by the phone

**Parameters** *hRil*  
 handle to RIL instance returned by **RIL\_Initialize**

**Comments** Asynchronous. *lpData* points to a **RILCELLTOWERINFO** structure.

---

RIL\_GetClosedGroupSettings

**HRESULT RIL\_GetClosedGroupSettings(HRIL hRil)**  
 Retrieves the current Closed User Group settings

**Parameters** *hRil*  
 handle to RIL instance returned by **RIL\_Initialize**

**Comments** Asynchronous. *lpData* points to an **RILCLOSEDGROUPSETTINGS** structure.

---

RIL\_GetCostInfo

**HRESULT RIL\_GetCostInfo(HRIL hRil)**  
 Retrieves advice-of-charge settings

**Parameters** *hRil*  
 handle to RIL instance returned by **RIL\_Initialize**

**Comments** Asynchronous. *lpData* points to a **RILCOSTINFO** structure. This feature is not used in Stinger and is untested.

---

RIL\_GetCurrentAddressId

**HRESULT RIL\_GetCurrentAddressId(HRIL hRil)**  
 Retrieves the current address identifier (see **RILSUBSCRIBERINFO**)

**Parameters** *hRil*  
 handle to RIL instance returned by **RIL\_Initialize**

**Comments** Asynchronous. *lpData* points to a **DWORD** identifying the current address ID.

---

RIL\_GetCurrentOperator

**HRESULT RIL\_GetCurrentOperator(HRIL hRil, DWORD dwFormat)**  
 Retrieves the operator the ME is currently registered with

**Parameters** *hRil*  
 handle to RIL instance returned by **RIL\_Initialize()**

*dwFormat*  
 format of the operator name to return (**RIL\_OPFORMAT\_** constant)

**Comments** Asynchronous. *lpData* points to an **RILOPERATORNAMES** structure.